

APPENDIX A

Economic Appendices

Appendix A

DESCRIPTION AND REVIEW
OF U.S. COAST GUARD
VESSEL ARRIVAL DATA

Appendix A, Attachment 1. U.S. Coast Guard Data Fields on Vessel Arrivals, Vessel Characteristics and Ports

1. Vessel Arrivals File

Column No.	Type	Column Name	Length
1	char	Arrival-Id	10
2	char	Vessel Id	10
3	char	Arrival_DtTm	10
4	char	Departure DtTm	10
5	char	Arrival Status Type Id	5
6	char	AOR_Id	10
7	varchar	Port Abrv	50
8	char	Last AOR Id	10
9	varchar	Last_ Port Abrv	20
10	char	Next AOR Id	10
11	varchar	Next_ Port Abrv	20
12	char	Product Type Id	3
13	char	Cargo Amount	10
14	char	Cargo Unit Type Id	3
15	char	Low_ Value_ Bulk_Ind	1
16	varchar	Location_Desc	150
17	char	Contact _Party_Id	10
18	varchar	Contact_ Name	30
19	char	Contact_ Phone Num	12
20	char	Class Soc_Party_Id	10
21	char	Targeted Party_Id	10
22	char	Targeting Matrix Pts	10
23	char	Calc_Priority_Lvl	5
24	bit	Preliminary_Priority_Ind	1
25	char	Assigned Priority_Lvl	5
26	varchar	Assigned Priorit	
27	varchar	Comments	255
28	char	Inspection Activity_Id	10
29	char	Last-Mod DtTm	10
30	char	Last Mod Activity_Id	10
31	char	Last-Mod-Unit-Id	10
32	text	General Cargo Desc	16
33	varchar	Anchorage	150
34	varchar	Place.Of.Docking	150
35	varchar	Other_Port_Desc	150
36	char	SANS_ Id	10
37	char	AMVER_Id	10

38 char	Ext_Last_Mod_DtTm	10
39 varchar	Docking_Desc	100
40 varchar	Anchorage_Desc	100
41 char	Voy_Num	10
42 varchar	Sans_Comments	250
43 varchar	Sans_Discrepancies	250
44 varchar	Sans_Cargo_Desc	250
45 char	Sans-Port-Id	10
46 varchar	Charterer	100
47 char	Boarding_Activity_Id	10
48 varchar	sp - filler	1

2. Arrival Ports File

Column No.	Type	Column Name	Length
1	char	Port-Id	10
2	varchar	Port_Abbr	20
3	varchar	Port_Desc	200
4	char	Country_Code_Id	5
5	char	State_Abbr	2
6	varchar	City_Name	50
7	char	Location-Id	10
8	char	AMVER_Port_Ind	1
9	char	Active-Ind	1
10	char	Last_Mod_DtTm	10
11	char	Last-Mod-Unit-Id	10
12	varchar	Last.Mod.User	30
13	varchar	sp - filler	1

3. Vessel Characteristics File

Column No.	Type	Column Name	Length
1	char	gk d vessel	28
2	char	vessel_ id	15
3	varchar	vessel.name	33
4	char	managing_owner_id	28
5	varchar	managing_ owner	120
6	varchar	gross ton	8
7	varchar	net_ ton	8
8	varchar	length	7
9	varchar	breadth	7
10	varchar	depth	7
11	varchar	itc breadth	7
12	varchar	itc depth	7
13	varchar	itc gross ton	8
14	varchar	itc length	7
15	varchar	itc net.ton	8
16	varchar	draft_ design	8
17	char	draft_ design_ units	2
18	char	dead.Weight ton	8
19	char	-	2
20	char	flag abbr	2
21	varchar	hailing.port	50
22	varchar	hailing_ state	2
23	varchar	hailing_ port_ port-province	50
24	varchar	route type	50
25	varchar	classification society	80
26	varchar	cargo authorization type	30
27	char	documented ind	1
28	varchar	documented status.type	30
29	char	inspected ind	1
30	varchar	inspected desc	30
31	char	state_ vessel ind	1
32	varchar	state_ vessel desc	30
33	char	lloyds_ind	1
34	varchar	lloyds desc	30
35	char	solas_ind	1
36	varchar	solas_desc	30
37	varchar	insp.subchapter.type	255
38	varchar	vessel_ class	50
39	varchar	vessel_ type	50
40	varchar	vessel_ subtype	50
41	varchar	vessel_ service	30
42	varchar	max passengers allowed	6
43	varchar	max_crew	6
44	varchar	self _propelled_ind	1
45	varchar	propulsion type	30
46	varchar	hull_ material	30
47	varchar	hull_ design_ type	30

48	varchar	hull_double_bottom_type	30
49	varchar	hull.double.side.type	30
50	varchar	call_sign	8
51	varchar	official_number	10
52	varchar	hull number	30
53	varchar	rbs hull number	30
54	varchar	imo number	30
55	varchar	vessel_age	4
56	varchar	build_shipyard	50
57	char	build_year	4
58	varchar	hull_build.party.name	80
59	varchar	-	80
60	varchar	horsepower_ahead	5
61	varchar	horsepower_astern	5
62	varchar	forebody_type_desc	30
63	varchar	hull_configuration	30
64	varchar	hull_shape	30
65	char	filler	1

Appendix A, Attachment 2. Reconciliation of Port Codes in USCG Vessel Arrival File and Port Description File

Port Code from Arrival File	Keep or drop	Port Code	Comment
7 AGRIUM 0	Drop	SCRMT0	Fresno, CA Nr Sacramento
16 ALEXANDRIA B 0	Drop		Alexandria Bay on the St. Lawrence
21 ALLIANCE 0	Drop		5 arrivals
34 ANGOON 0	Drop		Canadian icebreaker
38 ANTIOCH 0	Keep	SCRMT0	Antioch, CA nr Sacramento
41 APRA HARBOR 0	drop		Guam could combine with apra
42 ARABI 0	drop		St. Bernard port, Louisiana
66 BANGOR/BREWE 0	Keep	BANGME	Banqor ME
69 BARBOURS C 0	Keep	GALV	Barbours Cut Container terminal in Glaveston,TX
70 BARBOURS CUT 0	Keep	GALV	Barbours Cut Container terminal in Glaveston,TX
73 BATON ROUG 0	Keep	NRLNSSW	Baton Rouge
76 BAYONNE 0	Keep	BAYONN	Bayonne NJ
77 BAYOU COSOTT 0	Drop		Off-shore drilling rig
78 BAYPORT 0	Keep	PASAD	Bayport nr Pasadena TX
87 BELLINGHAM 0	Keep	BELHAM	Bellingham, WA
91 BERWICK 0	Drop		Berwick LA
94 BIENVILLE 0	Drop		Port Bienville, MS
95 BIGISL 0	Drop		Biq Island HI
100 BLOUNT ISL 0	Keep	JAX	Blount Island Terminal, Jacksonville, FL
101 BLOUNT ISLAN 0	Keep	JAX	Blount Island Terminal, Jacksonville, FL
104 BOLIVAR RO 0	Drop		Port Bolivar,TX
109 BRAINTREE 0	Keep		Fore River, Braintree, MA
116 BREVORT 0	drop		Brevort, MI on Great Lakes
117 BRIDGEPORT 0	Keep	BRIDPT	Bridgeport, CT
118 BRIDGEPORT A 0	Keep	BRIDPT	Bridgeport, CT
131 BURNS HARB 0	Drop		Burns Harbor ,IN on Lake Michiqan
136 CALCITE 0	Drop		Calcite, MI on Lake
138 CAMERON 0	Drop		Cameron ,TX
141 CAPE CANAV 0	Keep	PCANAV	Port Canaveral, FL
146 CAPE HENRY P 0	Keep	VIRN A	Virginia Beach, VA
150 CARYLSS 0	Drop		Lake Charles ,LA
157 CEDARVILLE 0	Drop		Cedarville, MI
160 CHANNEL VIEW 0	Keep	PTARAS	Port Arkansas, TX
164 CHARLEVOIX 0	Drop		Charlevoix, MI
166 CHEBOYGAN 0	Keep	CHBYGN	Cheboygan, MI on Lake
172 CHERRY POI 0	Keep	CHERPT	Cherry Point, WA

Port Code from Arrival File	Keep or drop	Port Code	Comment
175 CHESAPEAKE 0	Keep	CHESLV	Cheasapeake, VA
176 CHESAPEAKE C 0	Keep	CHESLV	Cheasapeake, VA
182 CHIGNIK 0	Keep	SEA	Seattle, WA fishing vessels
183 CHOCOLATE BA 0	Drop		Chocolate Bay, TX
184 CHRISTIANS 0	Keep	LIMETREE BA	LimetreeBay, St. Croix
204 COON COVE 0	Drop		Coon Cove, Alaska
209 CORPUS CHR 0	Keep	CORPUS	Corpus Christi, TX
222 DAMES POINT 0	Keep	JAX	Jacksonville, FL
223 DANIA 0	Keep	FTLAUD	Fort lauderdale, FL
230 DEER PARK 0	Keep	PASAD	Deer Park nr Pasadena TX
231 DESTREHAN 0	Keep	DESTHN	Destrahan, LA
233 DETOUR 0	Drop		DeTour, MI Lake Huron
237 DODGE ISLAND 0	Keep	MIAMI	Dodge Island nr Miami, FL
242 DRUMMOND ISL 0	Drop		Drummond Island, MI
246 DUTCH HARBOR 0	Keep	DUTCHH	Dutch Harbour, AK
248 EAST BOSTON 0	Keep	BOSTON	Boston, MA
254 EMPIRE 0	Drop		Empire, LA
268 FERNANDINA 0	Keep	FERNNA	Fernandina, FL
277 FOURCHON 0	Drop		Port Fourchon, LA
280 FREDERIKST 0	Keep	FRDSTD	Fredericsted, St. Croix
285 FRIDAY HARBO 0	Drop		Friday Harbor, WA
291 GALES FERRY 0	Keep	NLON	Near New London, CT
305 GATEWAY TERM 0	Keep	NHAV	New Haven, CT
309 GETTY PETROL 0	drop		two barges
311 GLADSTONE 0	drop		Gladstone, MI
313 GLOUCESTER 0	Keep	GLOUST	Glocester, MA
318 GRAMERCY 0	Keep	GRAMCY	Gramercy, LA
321 GREEN COVE 0	Keep	JAX	nr Jacksonville, FL
322 GREEN COVER 0	Keep	JAX	nr Jacksonville, FL
323 GREENPORT 0	Keep	OYBAY	nr Oyster Bay, NY
324 GREENS BAYOU 0	Keep	HOU	Houston, TX
329 GROTON/NEW L 0	Keep	NLON	Near New London, CT
337 GULFMEX 2 0	drop		Offshore termial
338 GULFPORT 0	Keep	GULFPT	Gulfport. MS
344 HAWK INLET 0	Keep	JUNEAU	Juneau, AK
346 HAY 0	Keep	ISLPK	Island Park, NY
359 HOUMA 0	Drop	NRLNSSW	nr New Orleans, LA
363 HOVENSA 0	Drop		Hovenssa, St Croix
376 INDIANA HARB 0	Keep	CHIC	East Chicago, IL
381 JACINTOPORT 0	Keep	HOU	Houston, TX

Port Code from Arrival File	Keep or drop	Port Code	Comment
382 JACKSONVIL 0	Keep	JAX	Jacksonville, FL
393 KAWAIHAE HAR 0	Drop		Kawaihae, HI
399 KEYSpan NORT 0	Keep	ISLPK	Island Park, NY
400 KEYSpan PORT 0	Keep	ISLPK	Island Park, NY
402 KINGS BAY 0	Keep	KINGBY	Kings Bay, FL nr Jacksonville
404 KIVILINA 0	Keep	KIVLNA	Kivalina, AK
417 LA PLACE 0	Drop		La Place, LA
421 LACKAWANA 0	Drop		Lackawana, NY
424 LAKE CHARL 0	Keep	LCHAR	Lake Charles, LA
438 LOCUS POINT 0	Keep	BALTO	Baltimore, MD
439 LOGISTICS TE 0	Drop		2 records
443 LOS ANGELE 0	Keep	LA/LB	Los Angeles
446 LUMMUS ISLAN 0	Keep	MIAMI	Miami, FL
448 MACKINAC 0	Keep	MACN	Mackinac, Island, MI
449 MACKINAW CIT 0	Keep	MACN	Mackinaw City, MI
450 MANCHESTER 0	Keep	HOU	Houston, TX
451 MANITOWOC 0	Keep	MANTWC	Manitowoc, WI
462 MATTITUCK 0	Keep	ISLPK	MATTITUCK, NY
475 MIAMI RIVER 0	Keep	MIAMI	Miami, FL
489 MORGAN'S POI 0	Keep	GALV	Barbours Cut Container terminal in Galveston, TX
492 MOTIVA BRIDG 0	Keep	WILMDL	Wilmington, DE
493 MOTIVA NEW H 0	Keep	WILMDL	Wilmington, DE
497 MSD SITKA 0	Keep	MSD SITKA	Sitka, AK
498 MSO PORT ART 0	Keep	MSOPort Ar	MSO Port Arthur, TX
503 MYRTLE GRO 0	Keep	MYRE	Myrtle Grove, LA
504 MYRTLE GROVE 0	Keep	MYRE	Myrtle Grove, LA
507 NASHVILLE 0	Keep	NRLNSSW	New Orleans, LA
508 NASHVILLE AV 0	Keep	NRLNSSW	New Orleans, LA
518 NEW HAVEN AN 0	Keep	NHAV	New Haven, CT
521 NEW LONDON S 0	Keep	NLON	New London, CT
522 NEW ORLEAN 0	Keep	NRLNSSW	New Orleans, LA
523 NEW ORLEANS 0	Keep	NRLNSSW	New Orleans, LA
525 NEW YORK CIT 0	Keep	NYC	New York City
528 NEWBURYPORT 0	Keep	SALEM	nr Salem, MA
529 NEWIBERIA 0	Keep	NRLNSSW	nr New Orleans, LA
532 NEWPORT 0	Keep	NEWPT	Newport, RI
537 NIKISHKA 0	DROP		Nikishka, AK
546 NORTHPORT AN 0	Keep	ISLPK	North Long Island nr Huntington
564 OFFSHORE LIG 0	Keep	MTKPS	offshore Montauk
571 OSTRICA 0	Keep	OSTRCA	Ostricala, LA

Port Code from Arrival File	Keep or drop	Port Code	Comment
580 PANAMA CIT 0	Keep	PANAMA	Panama City, FL
588 PATMS-ALL PO 0	Keep	PATMS-All P	MSO Port Arthur, TX
590 PAULINA 0	Keep	NRLNSSW	nr New Orleans, LA
606 PHILLIPS 0	Keep	ANCRGE	Nikiski, AK nr Anchorage
607 PHILLIPS DOC 0	Keep	ANCRGE	Nikiski, AK nr Anchorage
624 POINT COMF 0	DROP		9 Records
635 PORT ARTHU 0	Keep	PATMS-All P	MSO Port Arthur, TX
639 PORT CANAV 0	Keep	PCANAV	Port Canaveral, FL
643 PORT COVINGT 0	Keep	BALTO	Baltimore, MD
644 PORT DOLOMIT 0	Drop		Port Dolomite, MI near Cedarville
645 PORT EVERG 0	Keep	PTGLDS	Port Everglades, FL
647 PORT FOURCHO 0	Drop		Port Fourchon, LA
648 PORT HADLOCK 0	Keep	PUGET	Port Hadlock, WA
649 PORT HUENE 0	Keep	PORHUE	Port Hueneme, CA
652 PORT INLAND 0	Drop		Port Inland, MI
653 PORT JEFFE 0	Keep	PTJFSN	Port Jefferson, NY
657 PORT MANAT 0	Keep	TAMPA	Port Manatee, FL nr Tampa
658 PORT MANATEE 0	Keep	TAMPA	Port Manatee, FL nr Tampa
660 PORT NECHE 0	Keep	PTNECH	Port Neches, TX nr Por Arthur
663 PORT OF NEW 0	Drop		1 record
665 PORT SUTTO 0	Keep	TAMPA	Port Sutton, FL nr Tampa
666 PORT SUTTON 0	Keep	TAMPA	Port Sutton, FL nr Tampa
673 PRESQUE ISLE 0	Drop		Presquelsland, MI
674 PRIBILOF ISL 0	Drop		Pribilof Islands, AK
694 PUGET SOUN 0	Keep	PUGET	Puget Sound, WA
697 RATTLESNAKE 0	Keep	TAMPA	Rattlesnake Point, FL nr Tampa
700 REDWOOD CI 0	Keep	REDWOD	Redwood City, CA nr SF
703 RESERVE 0	Keep	NRLNSSW	Reserve, LA nr New Orleans
710 RIVERHEAD AN 0	Keep	ISLPK	Riverhead, NY
712 ROCHESTER 0	Drop		Rochester, NY
715 ROCKPORT 0	Keep	TAMPA	Rockport, FL nr Tampa
716 RODEO 0	Keep	SFRAN	Rodeo, CA nr SF
719 ROSEY ROADS 0	Drop		Rosey Roads, Puerto Rico
725 SABINE LIG 0	Keep	SAB LGT	Sabine, TX
728 SABINE RIVER 0	Keep	SAB LGT	Sabine, TX
729 SACRAMENTO 0	Keep	SCRMT0	Sacramento, CA
732 SAN FRANCI 0	Keep	SFRAN	San Francisco, CA
736 SAN JUAN 0	Keep	SJUAN	San Juan, Puerto Rico
738 SAN PEDRO 0	Keep	SPEDRO	San Pedro, CA
739 SAN PEDRO HA 0	Keep	SPEDRO	San Pedro, CA

Port Code from Arrival File	Keep or drop	Port Code	Comment
741 SANDFILL 0	Keep	SNDFIL	nr San Juan, Puerto Rico
744 SAULT STE. M 0	Drop		Sault Ste. Marie Michiqan
745 SAV 0	Keep	SAVGA	Savannah, GA
753 SEABROOK 0	Keep	GALV	Seabrook, TX nr Galveston
758 SEATTLE 0	Keep	SEA	Seattle, WA
768 SHEMA ISLAN 0	Drop		Shemya Island. AK
770 SILVER BAY 0	Drop		Silver bay, MN near Duluth
780 SOUTH BOSTON 0	Keep	BSN	Boston, MA
781 SOUTH LOCUST 0	Keep	BALTO	Baltimore, MD
782 SOUTH LOUISI 0	Keep	NRLNSSW	New Orleans, LA
784 SOUTHWEST 0	Keep	NRLNSSW	Baton Rouge, LA
785 SOUTHWEST HA 0	drop		1 record
794 ST. MICHAEL 0	drop		St. Michael. AK
795 ST. AUGUSTIN 0	Keep	STAUG	Saint Augustine, FL
796 ST. CHARLES 0	drop		Port St. Charles, Barbados
797 ST. CROIX 0	Keep	STCROX	Saint Croix, VI
798 ST. ELMO 0	drop		1 record; looks west coast
799 ST. GEORGE 0	drop		2 records
800 ST. JAMES 0	Keep	SJAMES	St. James, LA
801 ST. JOHN 0	Keep	ST JOHN	St. John, VI
802 ST. JOHNS 0	Keep	STJOAC	St. Johns, Antigua
804 ST. PAUL 0	Keep	SPIH	Saint Paul Island, AK
805 ST. PAUL ISL 0	Keep	SPIH	Saint Paul Island, AK
807 ST. ROSE 0	Keep	NRLNSSW	New Orleans, LA
808 ST. THOMAS 0	Keep	STTHOM	St Thomas, VI
813 STAR LAKE 0	drop		3 records
819 STONEPORT 0	drop		Stoneport, MI
820 STONEY POINT 0	Keep	STOI	Stony Point, CT
823 STURGEON BAY 0	Keep	STURBY	Sturgeon Bay, WI
830 SWP LIGHTER 0	Keep	SWP	Southwest Pass Lightering, LA
832 SWPASS LIGHT 0	Keep	SWP	Southwest Pass Lightering, LA
835 TACONITE HAR 0	Drop		Taconite Harbor, MN near Duluth
836 TAFT 0	Keep	NRLNSSW	New Orleans, LA
837 TALLABOA 0	Keep	TALLBY	Tallaboa, Puerto Rico
845 TINIAN 0	Drop		Tinian, Northern Marrianas
848 TOKSOOK 0	Drop		Toksook Bay, AK
851 TOLSTOI 0	Drop		5 records
853 TOSCO PORT J 0	Keep	NYC	Tosco Bay, NJ
854 TOSCO RIVERH 0	Keep	NYC	Tosco Bay, NJ
856 TRAVERSE CIT 0	Drop		Traverse City, MI
864 VANCOUVER 0	Keep	VANCOV	Vancouver
872 WAGGAMAN 0	Keep	NRLNSSW	Waggaman, LA
875 WASHINGTON 0	Keep	WASHDC	Washington, DC
876 WEEDON ISLAN 0	Keep	TAMPA	Weedon Island, FL nr Tampa
882 WHITING 0	Drop		Whiting, IN
884 WILLIAMS PIN 0	Drop		Williams Point, FL nr Indian River
885 WILLIAMS T-D 0	Keep	NHAV	William Terminal, New Haven, CT
886 WILMINGTON 0	Keep	WILMDL	Wilmington, DE

Appendix A, Attachment 3. Reconciliation of Port /State Designations for Port Codes in USCG Port Description File without State Designations

Port_Abbreviation	State	Port_ Description
ALSEN	Drop	ALSEN
BALTPS	MD	BALTIMORE PILOT STA
DARRO	LA	DARROW
FJORD	AK	COLLEGE FJORD
GEISMAR	LA	GEISMAR
HOONAH	AK	HOONAH
LOOP	LA	LOOP
OFFSHORE	NY	LIGHTERING-OFFSHORE
PORT AL	LA	PORT ALLEN
PROVIDENCE	RI	PROVIDENCE

Note: There was only one vessel arrival from 2002-2004 to the port with port abbreviation ALSEN. This record did not have any other data entered in the vessel arrival fields. The state for this port was not able to be determined.

Appendix A, Attachment 4. Match of USCG Port Codes with ANPR Port Regions and Port Areas

State_Abbreviation	Port_Abbreviation	Port_Description	Arrivals	ANPR port area	ANPR Port Region	Restriction period1	Restriction period2
CT	BRIDPT	BRIDGEPORT, CONNECTICUT	762	BRIDPT	MID-ATL BIS	3/1-4/30	9/1-10/31
CT	GLSFRRY	DOW CHEMICAL, ALLYNS POINT	4	NLON	MID-ATL BIS	3/1-4/30	9/1-10/31
CT	GROTON	GROTON	26	NLON	MID-ATL BIS	3/1-4/30	9/1-10/31
CT	HRTFD	HARTFORD	1	NLON	MID-ATL BIS	3/1-4/30	9/1-10/31
CT	MFORD	MILFORD	5	NHAV	MID-ATL BIS	3/1-4/30	9/1-10/31
CT	MIDTOWN	MIDDLETOWN	13	NLON	MID-ATL BIS	3/1-4/30	9/1-10/31
CT	MTKPS	MONTAUK PILOT STATION	49	LONI U	MID-ATL BIS	3/1-4/30	9/1-10/31
CT	MTVILLE	MONTVILLE	14	NLON	MID-ATL BIS	3/1-4/30	9/1-10/31
CT	NHAV	NEW HAVEN	1,616	NHAV	MID-ATL BIS	3/1-4/30	9/1-10/31
CT	NHT	NEW HAVEN TERMINAL	30	NHAV	MID-ATL BIS	3/1-4/30	9/1-10/31
CT	NLON	NEW LONDON	302	NLON	MID-ATL BIS	3/1-4/30	9/1-10/31
CT	NRWLK	NORWALK	23	BRIDPT	MID-ATL BIS	3/1-4/30	9/1-10/31
CT	PTLANDCT	PORTLAND	1	NLON	MID-ATL BIS	3/1-4/30	9/1-10/31
CT	STAM	STAMFORD	47	BRIDPT	MID-ATL BIS	3/1-4/30	9/1-10/31
CT	STAO	STAMFORD	71	BRIDPT	MID-ATL BIS	3/1-4/30	9/1-10/31
CT	STO I	STONY POINT, NEW YORK	2	NYC	MID-ATL BIS	3/1-4/30	9/1-10/31
CT	WETHFLD	WEATHERSFIELD	1	NLON	MID-ATL BIS	3/1-4/30	9/1-10/31
DE	WILMDL	WILMINGTON, DELAWARE	26	PHIL	MID-ATL DEL	2/1-4/30	10/1-12/31
FL	C CNVL	CAPE CANAVERAL	197	PCANAV	SE	12/1-3/31	
FL	FERNANDINA	MSO JACKSONVILLE	248	FERNANDINA	SE	12/1-3/31	
FL	FERNNA	FERNANDINA BEACH	319	FERNANDINA	SE	12/1-3/31	
FL	FNADNA	FERNADINA	229	FERNANDINA	SE	12/1-3/31	
FL	JACKSONVILL	JACKSONVILLE	1	JAX	SE	12/1-3/31	
FL	JAX	JACKSONVILLE	7,142	JAX	SE	12/1-3/31	
FL	KINGBY	KINGSBAY	1	JAX	SE	12/1-3/31	
FL	MAYPT	MAYPORT	1	JAX	SE	12/1-3/31	
FL	PCANAV	PORT CANAVERAL	42	PCANAV	SE	12/1-3/31	
FL	PTCD	PORT CANAVERAL	2,369	PCANAV	SE	12/1-3/31	
FL	STAUG	SAINT AUGUSTINE	1	JAX	SE	12/1-3/31	
GA	BRUNSWICK	BRUNSWICK	972	BRUNSWICK	MID-ATL SAV	11/1-4/30	
GA	BRUNWK	BRUNSWICK	433	BRUNSWICK	MID-ATL SAV	11/1-4/30	
GA	SAV	SAVANNAH	20	SAVGA	MID-ATL SAV	11/1-4/30	
GA	SAVANNAH		4,657	SAVGA	MID-ATL SAV	11/1-4/30	
GA	SAVGA	SAVANNAH	2,248	SAVGA	MID-ATL SAV	11/1-4/30	
GA	SAVMS	MSO SAVANNAH	78	SAVGA	MID-ATL SAV	11/1-4/30	
MA	BEVL	BEVERLY	1	SALEM	NE RACE PT	4/1-5/15	
MA	BRAOPN	BRAYTON POINT	4	NWBDFD	MID-ATL BIS	3/1-4/30	9/1-10/31
MA	BSN	BOSTON	733	BSN	NE RACE PT	4/1-5/15	
MA	CCOD	MSFO CAPE COD	100	CCOD	NE CCOD	1/1-4/30	

State_Abbreviation	Port_Abbreviation	Port_Description	Arrivals	ANPR port area	ANPR Port Region	Restriction period1	Restriction period2
MA	CHELSEA	CHELSEA	104	BSN	NE RACE PT	4/1-5/15	
MA	EVRET	EVERETT	303	BSN	NE RACE PT	4/1-5/15	
MA	FALL RIVER	FALL RIVER LINE PIER	4	NWBDFD	MID-ATL BIS	3/1-4/30	9/1-10/31
MA	GLOUST	GLOUCESTER, MASSACHUSETTS	6	SALEM	NE RACE PT	4/1-5/15	
MA	NEWBED	MSFO NEW BEDFORD	316	NWBDFD	MID-ATL BIS	3/1-4/30	9/1-10/31
MA	NWBDFD	NEW BEDFORD	4	NWBDFD	MID-ATL BIS	3/1-4/30	9/1-10/31
MA	NWYMTH	NORTH WEYMOUTH	8	BSN	NE RACE PT	4/1-5/15	
MA	QUINCY	QUINCY	95	BSN	NE RACE PT	4/1-5/15	
MA	REVERE	REVERE	63	BSN	NE RACE PT	4/1-5/15	
MA	SALEM	SALEM	35	SALEM	NE RACE PT	4/1-5/15	
MA	SNDWCH	SANDWICH	2	CCOD	NE CCOD	1/1-4/30	
MA	SOMSET	SOMERSET	1	NWBDFD	MID-ATL BIS	3/1-4/30	9/1-10/31
MA	WEYMTH	WEYMOUTH, MASSACHUSETTS	10	BSN	NE RACE PT	4/1-5/15	
MD	ANNOS	ANNAPOLIS	22	BALTO	MID-ATL CHES BAY	2/1-4/30	11/1-12/31
MD	ANNOS ANCH	ANNAPOLIS ANCHORAGE	14	BALTO	MID-ATL CHES BAY	2/1-4/30	11/1-12/31
MD	BALMS	HAWKINS POINT	1	BALTO	MID-ATL CHES BAY	2/1-4/30	11/1-12/31
MD	BALTO	BALTIMORE	5,299	BALTO	MID-ATL CHES BAY	2/1-4/30	11/1-12/31
MD	BALTO ANCH	BALTIMORE ANCHORAGE	3	BALTO	MID-ATL CHES BAY	2/1-4/30	11/1-12/31
MD	BALTPS	BALTIMORE PILOT STATION	3	BALTO	MID-ATL CHES BAY	2/1-4/30	11/1-12/31
MD	COVPN	COVE POINT	61	BALTO	MID-ATL CHES BAY	2/1-4/30	11/1-12/31
MD	CURSA	CURTIS BAY	3	BALTO	MID-ATL CHES BAY	2/1-4/30	11/1-12/31
MD	SPRWPT	SPARROWS POINT	116	BALTO	MID-ATL CHES BAY	2/1-4/30	11/1-12/31
MD	STMICHAELS	ST. MICHAELS	1	BALTO	MID-ATL CHES BAY	2/1-4/30	11/1-12/31
ME	BANGME	BANGOR, MAINE	21	SEARPT	NE GOM	1/1-12/31	
ME	BARHBR	BAR HARBOR	209	SEARPT	NE GOM	1/1-12/31	
ME	BUCKSPORT	COTP	38	SEARPT	NE GOM	1/1-12/31	
ME	BUCPT	BUCKSPORT	47	SEARPT	NE GOM	1/1-12/31	
ME	CASTIN	CASTINE	3	SEARPT	NE GOM	1/1-12/31	
ME	EASTPT	EASTPORT	111	EASTPT	NE GOM	1/1-12/31	
ME	PORTLAND	COTP	3,505	PORTLAND	NE GOM	1/1-12/31	
ME	PORTLD	PORTLAND, MAINE	17	PORTLAND	NE GOM	1/1-12/31	
ME	ROCKLD	ROCKLAND	3	SEARPT	NE GOM	1/1-12/31	
ME	SEARPT	SEARSPORT	320	SEARPT	NE GOM	1/1-12/31	
ME	WINRR	WINTERPORT	1	SEARPT	NE GOM	1/1-12/31	
NC	BEAUNC	BEAUFORT	1	MORCTY	MID-ATL MORCTY	12/1-4/30	
NC	MORCTY	MOREHEAD CITY	303	MORCTY	MID-ATL MORCTY	12/1-4/30	
NC	SUNYPT	SUNNY POINT	5	WILMNC	MID-ATL WILMNC	12/1-4/30	
NC	WILMNC	WILMINGTON (N. CAROLINA)	1,974	WILMNC	MID-ATL WILMNC	12/1-4/30	
NH	NEWING	NEWINGTON	17	PORTSMOUTH	NE GOM	1/1-12/31	
NH	PORD	NH-MA BORDER TO KENNEBUNKPORT, ME	514	PORTSMOUTH	NE GOM	1/1-12/31	
NH	PORTSMOUTH	COTP	190	PORTSMOUTH	NE GOM	1/1-12/31	
NJ	BAYONN	BAYONNE, NEW JERSEY	2	NYC	MID-ATL NY	2/1-4/30	9/1-10/31

State_Abbreviation	Port_Abbreviation	Port_Description	Arrivals	ANPR port area	ANPR Port Region	Restriction period1	Restriction period2
NJ	ELIZNJ	ELIZABETH	2	NYC	MID-ATL NY	2/1-4/30	9/1-10/31
NJ	NEWARK	NEWARK	10	NYC	MID-ATL NY	2/1-4/30	9/1-10/31
NJ	PAMBOY	PERTH AMBOY	1	NYC	MID-ATL NY	2/1-4/30	9/1-10/31
NJ	PTNWRK	PORT NEWARK	2	NYC	MID-ATL NY	2/1-4/30	9/1-10/31
NY	AMBROS	AMBROSE LV	1	NYC	MID-ATL NY	2/1-4/30	9/1-10/31
NY	CDSPNGHAR	COLD SPRING HARBOR	16	LONI U	MID-ATL BIS	3/1-4/30	9/1-10/31
NY	ISLPK	ISLAND PARK	36	LONI U	MID-ATL BIS	3/1-4/30	9/1-10/31
NY	LONI U	LONG ISL SOUND	227	LONI U	MID-ATL BIS	3/1-4/30	9/1-10/31
NY	MNTKPT	MONTAUK POINT	6	LONI U	MID-ATL BIS	3/1-4/30	9/1-10/31
NY	NORPT	NORTHPORT	128	LONI U	MID-ATL BIS	3/1-4/30	9/1-10/31
NY	NYC	NEW YORK	37	NYC	MID-ATL NY	2/1-4/30	9/1-10/31
NY	NYCMI	NEW YORK CITY	15,448	NYC	MID-ATL NY	2/1-4/30	9/1-10/31
NY	NYK	NEW YORK	7	NYC	MID-ATL NY	2/1-4/30	9/1-10/31
NY	OCNSDE	OCEANSIDE	83	NYC	MID-ATL NY	2/1-4/30	9/1-10/31
NY	OFFSHORE	LIGHTERING-OFFSHORE	61	LONI U	MID-ATL BIS	3/1-4/30	9/1-10/31
NY	OYBAY	OYSTER BAY	350	LONI U	MID-ATL BIS	3/1-4/30	9/1-10/31
NY	PMISLND	PLUM ISLAND	6	LONI U	MID-ATL BIS	3/1-4/30	9/1-10/31
NY	PTCHEST	PORT CHESTER	52	LONI U	MID-ATL BIS	3/1-4/30	9/1-10/31
NY	PTJFSN	PORT JEFFERSON	676	LONI U	MID-ATL BIS	3/1-4/30	9/1-10/31
NY	RIVRHD	RIVERHEAD	537	LONI U	MID-ATL BIS	3/1-4/30	9/1-10/31
NY	SINY	STATEN ISLAND	2	NYC	MID-ATL NY	2/1-4/30	9/1-10/31
NY	STPLTN	STAPLETON	1	NYC	MID-ATL NY	2/1-4/30	9/1-10/31
PA	CHESTR	CHESTER, PENNSYLVANIA	13	PHIL	MID-ATL DEL	2/1-4/31	10/1-12/32
PA	MARHK	MARCUS HOOK	8	PHIL	MID-ATL DEL	2/1-4/32	10/1-12/33
PA	MORSVL	MORRISVILLE	1	PHIL	MID-ATL DEL	2/1-4/33	10/1-12/34
PA	PHILA	PHILADELPHIA	72	PHIL	MID-ATL DEL	2/1-4/34	10/1-12/35
PA	PHILPS	PHILADELPHIA - DEL BAY ENT	66	PHIL	MID-ATL DEL	2/1-4/36	10/1-12/37
PA	PHIMS	PHILADELPHIA, DELAWARE, SOUTH JERSEY	7,224	PHIL	MID-ATL DEL	2/1-4/37	10/1-12/38
RI	BLOCKI	BLOCK ISLAND	2	PROV	MID-ATL BIS	3/1-4/30	9/1-10/31
RI	BRENRF	BRENTON REEF	7	PROV	MID-ATL BIS	3/1-4/30	9/1-10/31
RI	BRSTOL	BRISTOL, RHODE ISLAND	1	PROV	MID-ATL BIS	3/1-4/30	9/1-10/31
RI	DAVSVL	DAVISVILLE	175	PROV	MID-ATL BIS	3/1-4/30	9/1-10/31
RI	MELVIL	MELVILLE	2	PROV	MID-ATL BIS	3/1-4/30	9/1-10/31
RI	NARBAY	NARRAGANSETT BAY	183	PROV	MID-ATL BIS	3/1-4/30	9/1-10/31
RI	NEWPT	NEWPORT, RHODE ISLAND	138	PROV	MID-ATL BIS	3/1-4/30	9/1-10/31
RI	PROV	PROVIDENCE, RHODE ISLAND	267	PROV	MID-ATL BIS	3/1-4/30	9/1-10/31
RI	PROVIDENCE		166	PROV	MID-ATL BIS	3/1-4/30	9/1-10/31
RI	PTSMRI	PORTSMOUTH, RHODE ISLAND	2	PROV	MID-ATL BIS	3/1-4/30	9/1-10/31
RI	TIVRTN	TIVERTON	1	PROV	MID-ATL BIS	3/1-4/30	9/1-10/31
SC	BUFTSC	BEAUFORT	8	SAVGA	MID-ATL SAV	11/1-4/30	
SC	CHARLESTON		4,337	CHARLESTON	MID-ATL-CHARL	10/1-4/30	
SC	CHASN	CHARLESTON	2,147	CHARLESTON	MID-ATL-CHARL	10/1-4/30	

State_Abbreviation	Port_Abbreviation	Port_Description	Arrivals	ANPR port area	ANPR Port Region	Restriction period1	Restriction period2
SC	GEOTN	GEORGETOWN, S. CAROLINA	82	GEOTN	MID-ATL GEOTN	10/1-4/30	
SC	PORT ROYAL	PORT ROYAL	43	SAVGA	MID-ATL SAV	11/1-4/30	
SC	WANDO	WANDO	411	CHARLESTON	MID-ATL-CHARL	10/1-4/30	
VA	ALEXVA	ALEXANDRIA	4	BALTO	MID-ATL CHES BAY	2/1-4/30	11/1-12/31
VA	CAPCHAZ	CAPE CHARLES	6	HAMPTONRDS	MID-ATL CHES BAY	2/1-4/30	11/1-12/31
VA	CHEH N	CHEATHAM ANNEX	3	HAMPTONRDS	MID-ATL CHES BAY	2/1-4/30	11/1-12/31
VA	CHENRY	CAPE HENRY	4	HAMPTONRDS	MID-ATL CHES BAY	2/1-4/30	11/1-12/31
VA	CHESLV	CHESAPEAKE LV	189	HAMPTONRDS	MID-ATL CHES BAY	2/1-4/30	11/1-12/31
VA	HAMPRD	HAMPTON ROADS	45	HAMPTONRDS	MID-ATL CHES BAY	2/1-4/30	11/1-12/31
VA	HAMPTONRDS	HAMPTON ROADS	1	HAMPTONRDS	MID-ATL CHES BAY	2/1-4/30	11/1-12/31
VA	HOPE	HOPEWELL	73	HAMPTONRDS	MID-ATL CHES BAY	2/1-4/30	11/1-12/31
VA	JAMSTN	JAMESTOWN, VIRGINIA	1	HAMPTONRDS	MID-ATL CHES BAY	2/1-4/30	11/1-12/31
VA	LCREEK	LITTLE CREEK	15	HAMPTONRDS	MID-ATL CHES BAY	2/1-4/30	11/1-12/31
VA	LYNANN	LYNNHAVEN ANCHORAG	8	HAMPTONRDS	MID-ATL CHES BAY	2/1-4/30	11/1-12/31
VA	NORFOLK	NORFOLK INTERNATIONAL	983	HAMPTONRDS	MID-ATL CHES BAY	2/1-4/30	11/1-12/31
VA	NORVA	NORFOLK	3,974	HAMPTONRDS	MID-ATL CHES BAY	2/1-4/30	11/1-12/31
VA	NPTNWS	NEWPORT NEWS	945	HAMPTONRDS	MID-ATL CHES BAY	2/1-4/30	11/1-12/31
VA	PINYPT	PINEY POINT	58	HAMPTONRDS	MID-ATL CHES BAY	2/1-4/30	11/1-12/31
VA	PTSMVA	PORTSMOUTH, VIRGINIA	984	HAMPTONRDS	MID-ATL CHES BAY	2/1-4/30	11/1-12/31
VA	RICHMD	RICHMOND	135	HAMPTONRDS	MID-ATL CHES BAY	2/1-4/30	11/1-12/31
VA	VIRN A	VIRGINIA BEACH	26	HAMPTONRDS	MID-ATL CHES BAY	2/1-4/30	11/1-12/31
VA	YORKTN	YORKTOWN	130	HAMPTONRDS	MID-ATL CHES BAY	2/1-4/30	11/1-12/31

The GLM Procedure

Class Level Information		
Class	Levels	Values
Nathan_Vessel_Classification	15	Bulk Carrier Combination Carrier (e.g. OBO) Container Ship Fishing Vessel Freight Barge General Dry Cargo Ship Industrial Vessel Passenger Ship Refrigerated Cargo Ship Research Vessel Ro-Ro Cargo Ship School Ship Tank Barge Tank Ship Towing Vessel

Number of Observations Read	5886
Number of Observations Used	5886

The GLM Procedure

Dependent Variable: dead_Weight_ton

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	15	1.4862115E13	990807683838	12706.7	<.0001
Error	5871	457791241702	77975002.845		
Uncorrected Total	5886	1.5319906E13			

R-Square	Coeff Var	Root MSE	dead_Weight_ton Mean
0.925315	22.34725	8830.346	39514.23

Source	DF	Type I SS	Mean Square	F Value	Pr > F
gross_ton*Nathan_Ves	15	1.4862115E13	990807683838	12706.7	<.0001

Source	DF	Type III SS	Mean Square	F Value	Pr > F
gross_ton*Nathan_Ves	15	1.4862115E13	990807683838	12706.7	<.0001

Parameter	Estimate	Standard Error	t Value	Pr > t
gross_ton*Nathan_Ves Bulk Carrier	1.763663320	0.00787156	224.06	<.0001
gross_ton*Nathan_Ves Combination Carrier (e.g. OBO)	1.705058159	0.02969307	57.42	<.0001
gross_ton*Nathan_Ves Container Ship	1.160717153	0.00907167	127.95	<.0001
gross_ton*Nathan_Ves Fishing Vessel	0.565705107	0.79089658	0.72	0.4745
gross_ton*Nathan_Ves Freight Barge	1.676291420	0.33176765	5.05	<.0001
gross_ton*Nathan_Ves General Dry Cargo Ship	1.369413526	0.01285497	106.53	<.0001
gross_ton*Nathan_Ves Industrial Vessel	1.162743779	0.11356224	10.24	<.0001
gross_ton*Nathan_Ves Passenger Ship	0.176182630	0.01723172	10.22	<.0001
gross_ton*Nathan_Ves Refrigerated Cargo Ship	1.081557537	0.05563150	19.44	<.0001

The GLM Procedure

Dependent Variable: dead_Weight_ton

Parameter	Estimate	Standard Error	t Value	Pr > t
gross_ton*Nathan_Ves Research Vessel	0.460767398	1.71967966	0.27	0.7888
gross_ton*Nathan_Ves Ro-Ro Cargo Ship	0.425580316	0.01062633	40.05	<.0001
gross_ton*Nathan_Ves School Ship	0.523009686	0.45986782	1.14	0.2555
gross_ton*Nathan_Ves Tank Barge	2.058201277	0.10467965	19.66	<.0001
gross_ton*Nathan_Ves Tank Ship	1.714887087	0.00524801	326.77	<.0001
gross_ton*Nathan_Ves Towing Vessel	0.763876049	1.94364479	0.39	0.6943

Appendix A, Attachment 6. Summary Vessel Type from Four USCG Vessel Description Fields

vessel_class	vessel_type	vessel_subtype	vessel_service	Nathan_Vessel_Classification
Barge	Bulk Liquid Cargo (Tank) Barge		Tank Barge	Tank Barge
Barge	Bulk Liquid Cargo (Tank) Barge	General	Tank Barge	Tank Barge
Barge	Bulk Liquid Cargo (Tank) Barge	Liquid Chemical Cargo Barge	Tank Barge	Tank Barge
Barge	Bulk Liquid Cargo (Tank) Barge	Non-Flammable Liquid Cargo Barge	Tank Barge	Tank Barge
Barge	Bulk Liquid Cargo (Tank) Barge	Oil Cargo Barge	Tank Barge	Tank Barge
Barge	Bulk Liquid Cargo (Tank) Barge	UNSPECIFIED	Tank Barge	Tank Barge
Barge	Container Barge		Freight Barge	Freight Barge
Barge	Container Barge	UNSPECIFIED	Freight Barge	Freight Barge
Barge	Deck Barge	General	Freight Barge	Freight Barge
Barge	Deck Barge	Roll-on Roll-off	Freight Barge	Freight Barge
Barge	Dry Cargo Barge	General	Freight Barge	Freight Barge
Barge	Dry Cargo Barge	Open General Cargo	Freight Barge	Freight Barge
Barge	General		Freight Barge	Freight Barge
Barge	General	UNSPECIFIED	Freight Barge	Freight Barge
Barge	Industrial Barge	Derrick/Crane Barge	Industrial Vessel	Freight Barge
Barge	Industrial Barge	General	Industrial Vessel	Freight Barge
Barge	Industrial Barge	Pipe laying Barge	Industrial Vessel	Freight Barge
Barge	Integrated Tug and Barge (Barge)	Bulk Liquid	Tank Barge	Tank Barge
Barge	UNSPECIFIED	UNSPECIFIED	UNSPECIFIED	Freight Barge
Bulk Carrier	Cement Carrier		Freight Ship	Bulk Carrier
Bulk Carrier	Cement Carrier	UNSPECIFIED	Freight Ship	Bulk Carrier
Bulk Carrier	Cement Carrier	UNSPECIFIED	UNSPECIFIED	Bulk Carrier
Bulk Carrier	Combination Carrier (e.g. OBO)	Bulk/Oil	Freight Ship	Combination Carrier (e.g. OBO)
Bulk Carrier	Combination Carrier (e.g. OBO)	General	Freight Ship	Combination Carrier (e.g. OBO)
Bulk Carrier	Combination Carrier (e.g. OBO)	Ore/Bulk/Oil	Freight Ship	Combination Carrier (e.g. OBO)
Bulk Carrier	Combination Carrier (e.g. OBO)	UNSPECIFIED	Freight Ship	Combination Carrier (e.g. OBO)
Bulk Carrier	General		Freight Ship	Bulk Carrier
Bulk Carrier	General	General	Freight Ship	Bulk Carrier
Bulk Carrier	General	Self-Discharging	Freight Ship	Bulk Carrier
Bulk Carrier	General	UNSPECIFIED	Freight Ship	Bulk Carrier
Bulk Carrier	General	UNSPECIFIED	UNSPECIFIED	Bulk Carrier
Bulk Carrier	Ore Carrier	General	Freight Ship	Bulk Carrier
Bulk Carrier	Ore Carrier	Self-Discharging	Freight Ship	Bulk Carrier
Bulk Carrier	Ore Carrier	UNSPECIFIED	Freight Ship	Bulk Carrier
Bulk Carrier	UNSPECIFIED	UNSPECIFIED	UNSPECIFIED	Bulk Carrier
Bulk Carrier	Woodchips Carrier	General	Freight Ship	Bulk Carrier
Bulk Carrier	Woodchips Carrier	Self-Discharging	Freight Ship	Bulk Carrier
Fishing Vessel	Fish Catching Vessel	General	Commercial Fishing Vessel	Fishing Vessel
Fishing Vessel	Fish Catching Vessel	Pot/Trap	Commercial Fishing Vessel	Fishing Vessel
Fishing Vessel	Fish Catching Vessel	Trawler, Stern	Commercial Fishing Vessel	Fishing Vessel
Fishing Vessel	Fishing Catching/Processing Vessel	General	Commercial Fishing Vessel	Fishing Vessel
Fishing Vessel	Fishing Catching/Processing Vessel	General Catcher/Processor	Commercial Fishing Vessel	Fishing Vessel
General Dry Cargo Ship	Barge Carrier (e.g. LASH)	LASH Carrier	Freight Ship	General Dry Cargo Ship
General Dry Cargo Ship	Container Ship		Freight Ship	Container Ship
General Dry Cargo Ship	Container Ship	Bulk/Container Carrier	Freight Ship	Container Ship
General Dry Cargo Ship	Container Ship	General	Freight Ship	Container Ship
General Dry Cargo Ship	Container Ship	General Cargo/Container	Freight Ship	Container Ship
General Dry Cargo Ship	Container Ship	UNSPECIFIED	Freight Ship	Container Ship
General Dry Cargo Ship	Container Ship	UNSPECIFIED	UNSPECIFIED	Container Ship
General Dry Cargo Ship	General		Freight Ship	General Dry Cargo Ship
General Dry Cargo Ship	General	UNSPECIFIED	Freight Ship	General Dry Cargo Ship
General Dry Cargo Ship	General	UNSPECIFIED	UNSPECIFIED	General Dry Cargo Ship
General Dry Cargo Ship	Heavy Load Carrier		Freight Ship	General Dry Cargo Ship

vessel_class	vessel_type	vessel_subtype	vessel_service	Nathan_Vessel_Classification
General Dry Cargo Ship	Heavy Load Carrier	UNSPECIFIED	Freight Ship	General Dry Cargo Ship
General Dry Cargo Ship	Pallets Carrier		Freight Ship	General Dry Cargo Ship
General Dry Cargo Ship	UNSPECIFIED	UNSPECIFIED	Freight Ship	General Dry Cargo Ship
Miscellaneous Vessel	Cable laying Vessel		Industrial Vessel	Industrial Vessel
Miscellaneous Vessel	Cable laying Vessel	UNSPECIFIED	Industrial Vessel	Industrial Vessel
Miscellaneous Vessel	Cutter/Dredger	General	Industrial Vessel	Industrial Vessel
Miscellaneous Vessel	Cutter/Dredger	Hopper	Industrial Vessel	Industrial Vessel
Miscellaneous Vessel	Cutter/Dredger	Suction/Hopper	Industrial Vessel	Industrial Vessel
Miscellaneous Vessel	Drydock, Floating		Industrial Vessel	Industrial Vessel
Miscellaneous Vessel	General		Unclassified	Industrial Vessel
Miscellaneous Vessel	General	UNSPECIFIED	Unclassified	General Dry Cargo Ship
Miscellaneous Vessel	Ice Breaker		Public Vessel, Unclassified	Industrial Vessel
Miscellaneous Vessel	Oil Recovery Vessel	General	Oil Recovery	Industrial Vessel
Miscellaneous Vessel	Pipe laying		Industrial Vessel	Industrial Vessel
Miscellaneous Vessel	Repair Vessel		Industrial Vessel	Industrial Vessel
Miscellaneous Vessel	Supply Vessel (not OSV)		Industrial Vessel	Industrial Vessel
Miscellaneous Vessel	UNSPECIFIED		UNSPECIFIED	General Dry Cargo Ship
Miscellaneous Vessel	UNSPECIFIED	UNSPECIFIED	UNSPECIFIED	General Dry Cargo Ship
Offshore	Offshore Supply Vessel	General	Offshore Supply Vessel	General Dry Cargo Ship
Offshore	Offshore Supply Vessel	General	Towing Vessel	Towing Vessel
Passenger Ship	Attraction Vessel	General (6 or Fewer)	Passenger (6 or Fewer)	Passenger Ship
Passenger Ship	Cruise Ship Launch/Tender	UNSPECIFIED	Passenger (More Than 6)	Passenger Ship
Passenger Ship	Excursion/Tour Vessel	General (More Than 6)	Passenger (More Than 6)	Passenger Ship
Passenger Ship	Ferry	General (More Than 6)	Passenger (More Than 6)	Passenger Ship
Passenger Ship	Ferry	General (More Than 6)	Public Freight	Passenger Ship
Passenger Ship	Ferry	Non Ro-Ro Ferry (More Than 6)	Passenger (More Than 6)	Passenger Ship
Passenger Ship	Ferry	Ro-Ro Ferry (More Than 6)	Passenger (More Than 6)	Passenger Ship
Passenger Ship	Gaming Vessel	General (More Than 6)	Passenger (More Than 6)	Passenger Ship
Passenger Ship	General	General (More Than 6)	Passenger (More Than 6)	Passenger Ship
Passenger Ship	General	General (More Than 6)	Passenger Barge (More Than 6)	Passenger Ship
Passenger Ship	Harbor Cruise Vessel	General (More Than 6)	Passenger (More Than 6)	Passenger Ship
Passenger Ship	Ocean Cruise Vessel	General (6 or Fewer)	Passenger (6 or Fewer)	Passenger Ship
Passenger Ship	Ocean Cruise Vessel	General (More Than 6)	Passenger (More Than 6)	Passenger Ship
Passenger Ship	Ocean Cruise Vessel	UNSPECIFIED	Passenger (More Than 6)	Passenger Ship
Passenger Ship	UNSPECIFIED	UNSPECIFIED	UNSPECIFIED	Passenger Ship
Recreational	Motor Propelled Vessels	General	Recreational	Recreational
Recreational	Motor Propelled Vessels	UNSPECIFIED	Recreational	Recreational
Recreational	Motor Propelled Vessels	Yacht, Luxury	Recreational	Recreational
Recreational	Sailing Vessels	General	Recreational	Recreational
Recreational	Sailing Vessels	Motor sailer	Recreational	Recreational
Recreational	UNSPECIFIED	UNSPECIFIED	Recreational	Recreational
Refrigerated Cargo Ship	Container Ship		Freight Ship	Refrigerated Cargo Ship
Refrigerated Cargo Ship	Container Ship	UNSPECIFIED	UNSPECIFIED	Refrigerated Cargo Ship
Refrigerated Cargo Ship	General		Freight Ship	Refrigerated Cargo Ship
Refrigerated Cargo Ship	General	UNSPECIFIED	Freight Ship	Refrigerated Cargo Ship
Research Ship	General		Research Vessel	Research Vessel
Research Ship	General	UNSPECIFIED	Research Vessel	Research Vessel
Research Ship	Oceanographic		Research Vessel	Research Vessel
Ro-Ro Cargo Ship	General		Freight Ship	Ro-Ro Cargo Ship
Ro-Ro Cargo Ship	General	UNSPECIFIED	Freight Ship	Ro-Ro Cargo Ship
Ro-Ro Cargo Ship	General	UNSPECIFIED	UNSPECIFIED	Ro-Ro Cargo Ship
Ro-Ro Cargo Ship	Ro-Ro/Container		Freight Ship	Ro-Ro Cargo Ship
Ro-Ro Cargo Ship	Ro-Ro/Container	UNSPECIFIED	Freight Ship	Ro-Ro Cargo Ship
Ro-Ro Cargo Ship	Ro-Ro/Container	UNSPECIFIED	UNSPECIFIED	Ro-Ro Cargo Ship
Ro-Ro Cargo Ship	Vehicle Carrier		Freight Ship	Ro-Ro Cargo Ship
Ro-Ro Cargo Ship	Vehicle Carrier	UNSPECIFIED	Freight Ship	Ro-Ro Cargo Ship

vessel_class	vessel_type	vessel_subtype	vessel_service	Nathan_Vessel_Classification
Ro-Ro Cargo Ship	Vehicle Carrier	UNSPECIFIED	UNSPECIFIED	Ro-Ro Cargo Ship
School Ship	General		School Ship	School Ship
School Ship	General	UNSPECIFIED	School Ship	School Ship
School Ship	Sailing School	UNSPECIFIED	School Ship	School Ship
School Ship	Training		School Ship	School Ship
Tank Ship	Chemical Tank Ship	Chemical Tank Ship	Tank Ship	Tank Ship
Tank Ship	Chemical Tank Ship	General	Tank Ship	Tank Ship
Tank Ship	Chemical Tank Ship	Oil & Chemical Tank Ship	Tank Ship	Tank Ship
Tank Ship	Chemical Tank Ship	UNSPECIFIED	Tank Ship	Tank Ship
Tank Ship	Chemical Tank Ship	UNSPECIFIED	UNSPECIFIED	Tank Ship
Tank Ship	Gas Carrier	Anhydrous Ammonia	Tank Ship	Tank Ship
Tank Ship	Gas Carrier	General	Tank Ship	Tank Ship
Tank Ship	Gas Carrier	LNG	Tank Ship	Tank Ship
Tank Ship	Gas Carrier	LPG	Tank Ship	Tank Ship
Tank Ship	General		Tank Ship	Tank Ship
Tank Ship	General	UNSPECIFIED	Tank Ship	Tank Ship
Tank Ship	Petroleum Oil Tank Ship	Asphalt, Bitumen Tank Ship	Tank Ship	Tank Ship
Tank Ship	Petroleum Oil Tank Ship	Crude & Products Tank Ship	Tank Ship	Tank Ship
Tank Ship	Petroleum Oil Tank Ship	Crude & Products Tank Ship	UNSPECIFIED	Tank Ship
Tank Ship	Petroleum Oil Tank Ship	Crude Oil Tank Ship	Tank Ship	Tank Ship
Tank Ship	Petroleum Oil Tank Ship	General	Tank Ship	Tank Ship
Tank Ship	Petroleum Oil Tank Ship	Oil Products Tank Ship	Tank Ship	Tank Ship
Tank Ship	Petroleum Oil Tank Ship	UNSPECIFIED	Tank Ship	Tank Ship
Tank Ship	Petroleum Oil Tank Ship	UNSPECIFIED	UNSPECIFIED	Tank Ship
Tank Ship	UNSPECIFIED	UNSPECIFIED	Tank Ship	Tank Ship
Tank Ship	Vegetable Oil Tank Ship		Tank Ship	Tank Ship
Towing Vessel	General		Towing Vessel	Towing Vessel
Towing Vessel	General	UNSPECIFIED	Towing Vessel	Towing Vessel
Towing Vessel	General	UNSPECIFIED	UNSPECIFIED	Towing Vessel
Towing Vessel	Integrated Tug and Barge (Tug)		Towing Vessel	Towing Vessel
Towing Vessel	Integrated Tug and Barge (Tug)	UNSPECIFIED	Towing Vessel	Towing Vessel
Towing Vessel	Integrated Tug and Barge (Tug)	UNSPECIFIED	UNSPECIFIED	Towing Vessel
Towing Vessel	Pushing Ahead (Towboat)		Towing Vessel	Towing Vessel
Towing Vessel	Pushing Ahead (Towboat)	UNSPECIFIED	Towing Vessel	Towing Vessel
Towing Vessel	Ship Assist Tug		Towing Vessel	Towing Vessel
Towing Vessel	Towing Behind (Tug)		Towing Vessel	Towing Vessel
Towing Vessel	Towing Behind (Tug)	UNSPECIFIED	Towing Vessel	Towing Vessel
Towing Vessel	Towing Behind (Tug)	UNSPECIFIED	UNSPECIFIED	Towing Vessel
UNSPECIFIED	General	UNSPECIFIED	Freight Ship	General Dry Cargo Ship
UNSPECIFIED	UNSPECIFIED		UNSPECIFIED	General Dry Cargo Ship
UNSPECIFIED	UNSPECIFIED	UNSPECIFIED	Freight Barge	Freight Barge
UNSPECIFIED	UNSPECIFIED	UNSPECIFIED	Freight Ship	General Dry Cargo Ship
UNSPECIFIED	UNSPECIFIED	UNSPECIFIED	Industrial Vessel	Industrial Vessel
UNSPECIFIED	UNSPECIFIED	UNSPECIFIED	Offshore Supply Vessel	Industrial Vessel
UNSPECIFIED	UNSPECIFIED	UNSPECIFIED	Public Freight	General Dry Cargo Ship
UNSPECIFIED	UNSPECIFIED	UNSPECIFIED	Public Tankship/Barge	Tank Barge
UNSPECIFIED	UNSPECIFIED	UNSPECIFIED	Public Vessel, Unclassified	General Dry Cargo Ship
UNSPECIFIED	UNSPECIFIED	UNSPECIFIED	Tank Barge	Tank Barge
UNSPECIFIED	UNSPECIFIED	UNSPECIFIED	Tank Ship	Tank Ship
UNSPECIFIED	UNSPECIFIED	UNSPECIFIED	Towing Vessel	Towing Vessel
UNSPECIFIED	UNSPECIFIED	UNSPECIFIED	UNSPECIFIED	Drop
UNSPECIFIED	UNSPECIFIED	UNSPECIFIED	Unclassified	Drop

Appendix B

**VESSEL ARRIVALS BY PORT
AREA AND AVERAGE VESSEL
DWT**

Vessel Arrivals by ANPR Region, Port Area, and Average Vessel DWT, 2002-2003

ANPR Region: Total East Coast

ANPR Port Area: All

Vessel Type	2002						2003					
	Vessel Arrivals	Average vessel DWT by quartile (000s)					Vessel Arrivals	Average vessel DWT by quartile (000s)				
		Bottom 25%	Second 25%	Third 25%	Top 25%	Overall average		Bottom 25%	Second 25%	Third 25%	Top 25%	Overall average
Bulk Carriers	3,088	10,962	25,979	39,480	65,559	35,490	3,114	12,644	28,856	40,960	62,638	36,265
Combination Carriers	146	39,754	65,879	86,476	105,648	71,720	167	43,298	67,114	88,788	107,891	74,664
Containerships	8,972	16,378	35,482	46,914	60,596	39,818	9,215	17,263	36,914	48,491	61,733	40,987
Freight Barges	279	5,545	13,034	16,002	24,372	13,852	252	8,688	13,169	16,532	19,588	12,761
General Cargo Vessels	2,159	4,563	10,681	22,267	41,979	19,843	1,883	4,580	10,917	21,786	41,578	19,607
Passenger Vessels	1,045	2,537	7,013	8,735	14,836	8,109	1,197	1,768	6,367	9,108	13,683	7,541
Refrigerated Cargo Vessels	520	6,629	10,320	13,757	25,362	14,010	650	7,139	10,248	12,222	26,248	13,745
Ro-Ro Cargo Vessels	3,512	10,242	15,322	19,843	38,577	20,881	3,504	10,242	14,931	18,610	37,141	20,205
Tank Barges	746	4,468	8,018	13,018	24,638	12,452	1,251	3,157	6,495	10,525	20,463	10,082
Tankers	5,321	16,042	37,300	49,831	109,483	53,001	5,755	16,439	39,059	50,974	112,697	54,645
Towing Vessel	418	130	152	208	630	266	462	145	-	-	655	250
Other a/	88	603	1,900	4,338	8,544	3,694	91	524	1,878	7,931	16,697	6,618
Total all vessel types	26,294	7,901	21,694	39,792	68,352	34,413	27,541	7,230	21,660	40,673	69,892	34,850

a/ Includes fishing vessels, industrial vessels, research vessels, school ships.

Source: Prepared by Nathan Associates based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports, 2002-2003.

Vessel Arrivals by ANPR Region, Port Area, and Average Vessel DWT, 2002-2003

ANPR Region: Northeastern US- Gulf of Maine

ANPR Port Area: Eastport, ME

Vessel Type	2002						2003					
	Vessel Arrivals	Average vessel DWT by quartile (000s)					Vessel Arrivals	Average vessel DWT by quartile (000s)				
		Bottom 25%	Second 25%	Third 25%	Top 25%	Overall average		Bottom 25%	Second 25%	Third 25%	Top 25%	Overall average
Bulk Carriers	19	14,113	15,719	18,742	39,618	20,880	16	13,118	15,590	26,132	44,425	23,848
Combination Carriers	-	-	-	-	-	-	-	-	-	-	-	-
Containerships	7	9,047	40,300	42,752	44,169	32,624	5	24,375	41,409	43,759	49,755	36,734
Freight Barges	-	-	-	-	-	-	-	-	-	-	-	-
General Cargo Vessels	6	12,947	39,780	41,936	47,029	32,762	20	9,113	15,539	34,913	46,203	23,940
Passenger Vessels	-	-	-	-	-	-	-	-	-	-	-	-
Refrigerated Cargo Vessels	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Vessels	-	-	-	-	-	-	-	-	-	-	-	-
Tank Barges	-	-	-	-	-	-	-	-	-	-	-	-
Tankers	-	-	-	-	-	-	-	-	-	-	-	-
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	-	-	-	-	-	-	-	-	-	-	-
Total all vessel types	32	12,390	16,080	31,192	43,507	25,677	41	10,714	15,626	35,331	45,603	25,464

a/ Includes fishing vessels, industrial vessels, research vessels, school ships.

Source: Prepared by Nathan Associates based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports, 2002-2003.

Vessel Arrivals by ANPR Region, Port Area, and Average Vessel DWT, 2002-2003

ANPR Region: Northeastern US- Gulf of Maine

ANPR Port Area: Searsport, ME

Vessel Type	2002						2003					
	Vessel Arrivals	Average vessel DWT by quartile (000s)					Vessel Arrivals	Average vessel DWT by quartile (000s)				
		Bottom 25%	Second 25%	Third 25%	Top 25%	Overall average		Bottom 25%	Second 25%	Third 25%	Top 25%	Overall average
Bulk Carriers	15	6,959	-	7,233	27,375	11,078	14	7,023	12,833	27,496	39,466	21,070
Combination Carriers	1	54,502	-	-	-	54,502	1	54,502	-	-	-	54,502
Containerships	-	-	-	-	-	-	-	-	-	-	-	-
Freight Barges	-	-	-	-	-	-	-	-	-	-	-	-
General Cargo Vessels	1	7,051	-	-	-	7,051	-	-	-	-	-	-
Passenger Vessels	56	2,996	6,336	7,966	9,827	6,369	67	3,859	5,908	6,941	9,163	6,396
Refrigerated Cargo Vessels	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Vessels	-	-	-	-	-	-	1	4,880	-	-	-	4,880
Tank Barges	64	6,198	9,367	12,721	18,312	11,021	24	6,667	8,639	12,729	15,565	10,900
Tankers	96	10,662	34,241	37,134	45,735	29,084	95	11,547	33,938	37,761	48,871	28,370
Towing Vessel	1	152	-	-	-	152	3	679	-	-	-	679
Other a/	-	-	-	-	-	-	-	-	-	-	-	-
Total all vessel types	234	5,034	9,212	16,722	39,035	17,444	205	5,169	9,991	26,822	45,623	18,252

a/ Includes fishing vessels, industrial vessels, research vessels, school ships.

Source: Prepared by Nathan Associates based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports, 2002-2003.

Vessel Arrivals by ANPR Region, Port Area, and Average Vessel DWT, 2002-2003

ANPR Region: Northeastern US- Gulf of Maine

ANPR Port Area: Portland, ME

Vessel Type	2002						2003					
	Vessel Arrivals	Average vessel DWT by quartile (000s)					Vessel Arrivals	Average vessel DWT by quartile (000s)				
		Bottom 25%	Second 25%	Third 25%	Top 25%	Overall average		Bottom 25%	Second 25%	Third 25%	Top 25%	Overall average
Bulk Carriers	107	15,349	26,135	34,866	46,782	30,634	319	21,835	26,728	35,050	51,997	33,793
Combination Carriers	10	96,936	103,200	-	109,798	101,981	22	95,633	-	-	109,823	98,213
Containerships	40	21,615	43,318	56,864	62,722	44,177	224	21,126	40,954	53,909	61,211	43,830
Freight Barges	2	13,185	-	-	-	13,185	2	655	-	16,537	-	8,596
General Cargo Vessels	28	6,776	12,965	18,143	35,711	17,474	85	9,367	15,237	28,275	44,471	23,663
Passenger Vessels	24	4,605	7,700	8,585	10,708	7,354	21	4,060	6,819	8,622	10,774	6,956
Refrigerated Cargo Vessels	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Vessels	88	4,880	9,991	13,493	16,914	11,203	259	5,691	11,371	14,692	20,910	13,036
Tank Barges	15	2,744	9,695	13,642	19,981	10,951	29	4,815	8,970	12,548	27,069	12,770
Tankers	373	25,558	66,640	99,721	110,079	74,961	488	19,884	41,184	93,358	121,393	68,566
Towing Vessel	3	232	287	-	-	269	33	126	146	151	969	289
Other a/	4	6,864	7,935	9,200	9,820	8,455	8	1,284	8,969	11,852	14,167	9,068
Total all vessel types	694	9,248	27,839	66,175	106,139	51,732	1,490	8,707	23,543	41,531	93,445	41,760

a/ Includes fishing vessels, industrial vessels, research vessels, school ships.

Source: Prepared by Nathan Associates based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports, 2002-2003.

Vessel Arrivals by ANPR Region, Port Area, and Average Vessel DWT, 2002-2003

ANPR Region: Northeastern US- Gulf of Maine

ANPR Port Area: Portsmouth, NH

Vessel Type	2002						2003					
	Vessel Arrivals	Average vessel DWT by quartile (000s)					Vessel Arrivals	Average vessel DWT by quartile (000s)				
		Bottom 25%	Second 25%	Third 25%	Top 25%	Overall average		Bottom 25%	Second 25%	Third 25%	Top 25%	Overall average
Bulk Carriers	50	33,510	38,290	46,953	64,363	44,420	67	29,513	37,787	40,616	49,874	38,284
Combination Carriers	1	54,502	-	-	-	54,502	3	37,695	38,633	54,502	-	43,610
Containerships	1	23,064	-	-	-	23,064	56	27,953	42,793	55,849	63,012	46,904
Freight Barges	10	9,694	-	13,353	14,269	11,707	-	-	-	-	-	-
General Cargo Vessels	5	11,662	22,270	33,750	-	22,619	10	8,331	24,579	31,884	40,910	25,162
Passenger Vessels	-	-	-	-	-	-	1	17	-	-	-	17
Refrigerated Cargo Vessels	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Vessels	-	-	-	-	-	-	5	51,157	-	51,648	52,880	51,600
Tank Barges	20	8,221	11,291	12,825	24,802	14,285	2	13,000	-	14,877	-	13,938
Tankers	98	13,485	36,541	38,594	45,722	33,159	129	16,230	37,193	41,183	50,682	36,074
Towing Vessel	1	820	-	-	-	820	2	846	-	-	-	846
Other a/	1	7,935	-	-	-	7,935	2	919	-	9,200	-	5,060
Total all vessel types	187	10,588	31,151	38,326	51,541	32,475	277	18,361	37,203	41,941	54,769	37,997

a/ Includes fishing vessels, industrial vessels, research vessels, school ships.

Source: Prepared by Nathan Associates based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports, 2002-2003.

Vessel Arrivals by ANPR Region, Port Area, and Average Vessel DWT, 2002-2003

ANPR Region: Northeastern US- Off Race Point

ANPR Port Area: Salem, MA

Vessel Type	2002						2003					
	Vessel Arrivals	Average vessel DWT by quartile (000s)					Vessel Arrivals	Average vessel DWT by quartile (000s)				
		Bottom 25%	Second 25%	Third 25%	Top 25%	Overall average		Bottom 25%	Second 25%	Third 25%	Top 25%	Overall average
Bulk Carriers	21	38,899	43,383	73,294	77,498	56,745	7	40,875	-	49,463	75,000	48,204
Combination Carriers	-	-	-	-	-	-	-	-	-	-	-	-
Containerships	-	-	-	-	-	-	-	-	-	-	-	-
Freight Barges	-	-	-	-	-	-	-	-	-	-	-	-
General Cargo Vessels	-	-	-	-	-	-	-	-	-	-	-	-
Passenger Vessels	-	-	-	-	-	-	1	3,780	-	-	-	3,780
Refrigerated Cargo Vessels	2	5,691	-	7,102	-	6,397	-	-	-	-	-	-
Ro-Ro Cargo Vessels	1	17,176	-	-	-	17,176	-	-	-	-	-	-
Tank Barges	-	-	-	-	-	-	-	-	-	-	-	-
Tankers	1	45,425	-	-	-	45,425	1	61,438	-	-	-	61,438
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	-	-	-	-	-	-	-	-	-	-	-
Total all vessel types	25	25,881	41,477	68,202	77,498	50,682	9	33,456	-	49,463	68,219	44,738

a/ Includes fishing vessels, industrial vessels, research vessels, school ships.

Source: Prepared by Nathan Associates based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports, 2002-2003.

Vessel Arrivals by ANPR Region, Port Area, and Average Vessel DWT, 2002-2003

ANPR Region: Northeastern US- Off Race Point

ANPR Port Area: Boston, MA

Vessel Type	2002						2003					
	Vessel Arrivals	Average vessel DWT by quartile (000s)					Vessel Arrivals	Average vessel DWT by quartile (000s)				
		Bottom 25%	Second 25%	Third 25%	Top 25%	Overall average		Bottom 25%	Second 25%	Third 25%	Top 25%	Overall average
Bulk Carriers	63	15,455	18,192	34,833	52,901	28,055	34	17,017	22,574	37,143	56,609	32,539
Combination Carriers	1	61,539	-	-	-	61,539	1	38,633	-	-	-	38,633
Containerships	149	24,185	38,670	45,233	51,747	38,793	77	12,497	43,305	49,140	51,977	37,655
Freight Barges	1	16,537	-	-	-	16,537	2	3,079	-	5,275	-	4,177
General Cargo Vessels	21	7,000	-	11,563	29,795	13,296	7	2,302	6,037	20,806	41,155	14,206
Passenger Vessels	91	3,216	6,999	8,200	10,097	6,769	20	3,686	7,129	-	10,058	6,389
Refrigerated Cargo Vessels	-	-	-	-	-	-	4	7,234	7,368	-	-	7,335
Ro-Ro Cargo Vessels	134	4,191	11,662	14,447	20,241	10,738	35	4,167	-	-	15,351	6,723
Tank Barges	2	2,141	-	6,247	-	4,194	-	-	-	-	-	-
Tankers	397	28,428	36,628	40,609	59,110	41,003	205	29,430	38,334	41,885	100,947	51,872
Towing Vessel	-	-	-	-	-	-	1	118	-	-	-	118
Other a/	2	816	-	6,864	-	3,840	4	265	396	500	518	420
Total all vessel types	861	6,530	25,291	38,070	53,252	30,492	390	7,114	31,796	41,228	75,959	38,924

a/ Includes fishing vessels, industrial vessels, research vessels, school ships.

Source: Prepared by Nathan Associates based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports, 2002-2003.

Vessel Arrivals by ANPR Region, Port Area, and Average Vessel DWT, 2002-2003

ANPR Region: Northeastern US- Cape Cod Bay

ANPR Port Area: Cape Cod, MA

Vessel Type	2002						2003					
	Vessel Arrivals	Average vessel DWT by quartile (000s)					Vessel Arrivals	Average vessel DWT by quartile (000s)				
		Bottom 25%	Second 25%	Third 25%	Top 25%	Overall average		Bottom 25%	Second 25%	Third 25%	Top 25%	Overall average
Bulk Carriers	-	-	-	-	-	-	-	-	-	-	-	-
Combination Carriers	1	54,502	-	-	-	54,502	-	-	-	-	-	-
Containerships	-	-	-	-	-	-	-	-	-	-	-	-
Freight Barges	-	-	-	-	-	-	-	-	-	-	-	-
General Cargo Vessels	-	-	-	-	-	-	-	-	-	-	-	-
Passenger Vessels	12	4,000	6,911	7,700	-	6,578	9	3,467	-	4,979	8,426	4,737
Refrigerated Cargo Vessels	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Vessels	-	-	-	-	-	-	-	-	-	-	-	-
Tank Barges	-	-	-	-	-	-	-	-	-	-	-	-
Tankers	10	41,905	57,593	63,329	68,926	56,874	13	54,217	64,400	67,344	74,071	63,395
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	-	-	-	-	-	-	-	-	-	-	-
Total all vessel types	23	5,456	7,700	49,234	65,568	30,529	22	3,467	23,119	62,036	71,630	39,398

a/ Includes fishing vessels, industrial vessels, research vessels, school ships.

Source: Prepared by Nathan Associates based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports, 2002-2003.

Vessel Arrivals by ANPR Region, Port Area, and Average Vessel DWT, 2002-2003

ANPR Region: Mid-Atlantic Block Island Sound

ANPR Port Area: New Bedford, MA

Vessel Type	2002						2003					
	Vessel Arrivals	Average vessel DWT by quartile (000s)					Vessel Arrivals	Average vessel DWT by quartile (000s)				
		Bottom 25%	Second 25%	Third 25%	Top 25%	Overall average		Bottom 25%	Second 25%	Third 25%	Top 25%	Overall average
Bulk Carriers	44	35,424	-	-	57,731	39,987	58	33,246	40,839	60,215	72,026	48,215
Combination Carriers	-	-	-	-	-	-	-	-	-	-	-	-
Containerships	-	-	-	-	-	-	1	3,188	-	-	-	3,188
Freight Barges	1	24,103	-	-	-	24,103	-	-	-	-	-	-
General Cargo Vessels	33	1,155	4,861	11,054	23,158	8,678	26	1,328	5,856	9,562	24,142	8,559
Passenger Vessels	29	15	17	7,700	-	3,725	-	-	-	-	-	-
Refrigerated Cargo Vessels	11	6,099	-	6,116	6,489	6,175	11	6,029	6,387	6,658	7,625	6,564
Ro-Ro Cargo Vessels	-	-	-	-	-	-	-	-	-	-	-	-
Tank Barges	-	-	-	-	-	-	5	438	-	4,748	5,006	2,214
Tankers	5	12,895	22,780	31,069	37,389	23,406	10	10,485	13,947	17,542	22,611	15,720
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	2	47	-	149	-	98	-	-	-	-	-	-
Total all vessel types	125	1,883	7,225	30,025	57,731	18,905	111	3,957	14,689	36,246	63,914	29,393

a/ Includes fishing vessels, industrial vessels, research vessels, school ships.

Source: Prepared by Nathan Associates based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports, 2002-2003.

Vessel Arrivals by ANPR Region, Port Area, and Average Vessel DWT, 2002-2003

ANPR Region: Mid-Atlantic Block Island Sound

ANPR Port Area: Providence, RI

Vessel Type	2002						2003					
	Vessel Arrivals	Average vessel DWT by quartile (000s)					Vessel Arrivals	Average vessel DWT by quartile (000s)				
		Bottom 25%	Second 25%	Third 25%	Top 25%	Overall average		Bottom 25%	Second 25%	Third 25%	Top 25%	Overall average
Bulk Carriers	93	19,420	33,120	37,094	48,878	34,103	83	19,373	34,239	40,766	52,605	36,554
Combination Carriers	2	54,502	-	76,324	-	65,413	2	38,633	-	78,488	-	58,561
Containerships	1	17,914	-	-	-	17,914	2	7,802	-	7,910	-	7,856
Freight Barges	1	3,510	-	-	-	3,510	-	-	-	-	-	-
General Cargo Vessels	18	1,691	10,516	14,530	26,061	12,634	24	9,277	10,599	11,771	27,036	13,986
Passenger Vessels	37	2,801	4,635	6,669	9,717	5,331	35	2,064	6,007	7,010	10,264	6,054
Refrigerated Cargo Vessels	2	5,408	-	12,206	-	8,807	4	6,347	6,413	7,000	10,713	7,618
Ro-Ro Cargo Vessels	33	11,866	15,569	17,633	24,190	17,149	80	12,559	14,379	16,797	18,284	15,285
Tank Barges	1	19,500	-	-	-	19,500	2	436	-	14,877	-	7,657
Tankers	103	9,974	31,411	39,420	48,128	31,871	121	22,704	38,987	43,551	55,079	39,861
Towing Vessel	-	-	-	-	-	-	3	150	679	1,548	-	792
Other a/	6	2,118	-	-	3,372	2,327	1	567	-	-	-	567
Total all vessel types	297	5,876	17,625	33,539	46,392	25,752	357	7,879	16,419	36,043	49,787	27,477

a/ Includes fishing vessels, industrial vessels, research vessels, school ships.

Source: Prepared by Nathan Associates based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports, 2002-2003.

Vessel Arrivals by ANPR Region, Port Area, and Average Vessel DWT, 2002-2003

ANPR Region: Mid-Atlantic Block Island Sound

ANPR Port Area: New London, CT

Vessel Type	2002						2003					
	Vessel Arrivals	Average vessel DWT by quartile (000s)					Vessel Arrivals	Average vessel DWT by quartile (000s)				
		Bottom 25%	Second 25%	Third 25%	Top 25%	Overall average		Bottom 25%	Second 25%	Third 25%	Top 25%	Overall average
Bulk Carriers	8	16,564	23,003	47,053	52,675	34,121	23	17,588	38,486	43,472	47,035	35,822
Combination Carriers	-	-	-	-	-	-	-	-	-	-	-	-
Containerships	-	-	-	-	-	-	2	39,749	-	49,755	-	44,752
Freight Barges	-	-	-	-	-	-	-	-	-	-	-	-
General Cargo Vessels	9	12,457	37,684	46,990	47,028	32,386	10	24,059	37,312	42,919	48,412	36,678
Passenger Vessels	4	42	-	-	7,700	1,956	32	212	-	-	-	212
Refrigerated Cargo Vessels	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Vessels	-	-	-	-	-	-	-	-	-	-	-	-
Tank Barges	29	3,391	6,258	10,362	16,918	8,889	69	3,814	5,611	6,670	15,502	7,731
Tankers	6	19,228	33,288	35,491	47,083	31,268	8	14,488	40,262	47,351	47,431	37,383
Towing Vessel	-	-	-	-	-	-	1	74	-	-	-	74
Other a/	-	-	-	-	-	-	1	3,030	-	-	-	3,030
Total all vessel types	56	3,471	10,449	19,572	42,649	18,173	146	748	5,261	14,405	41,542	14,538

a/ Includes fishing vessels, industrial vessels, research vessels, school ships.

Source: Prepared by Nathan Associates based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports, 2002-2003.

Vessel Arrivals by ANPR Region, Port Area, and Average Vessel DWT, 2002-2003

ANPR Region: Mid-Atlantic Block Island Sound

ANPR Port Area: New Haven, CT

Vessel Type	2002						2003					
	Vessel Arrivals	Average vessel DWT by quartile (000s)					Vessel Arrivals	Average vessel DWT by quartile (000s)				
		Bottom 25%	Second 25%	Third 25%	Top 25%	Overall average		Bottom 25%	Second 25%	Third 25%	Top 25%	Overall average
Bulk Carriers	75	20,169	27,497	38,818	50,124	33,841	67	23,543	29,733	39,177	53,132	35,913
Combination Carriers	1	8,966	-	-	-	8,966	2	47,240	-	83,155	-	65,198
Containerships	5	22,948	29,519	46,956	49,755	34,425	1	49,755	-	-	-	49,755
Freight Barges	4	785	13,442	-	-	10,278	5	1,182	-	-	16,537	4,253
General Cargo Vessels	46	8,404	20,071	27,680	43,343	24,247	38	14,743	22,192	26,215	42,147	24,703
Passenger Vessels	-	-	-	-	-	-	5	214	-	-	-	214
Refrigerated Cargo Vessels	1	13,613	-	-	-	13,613	-	-	-	-	-	-
Ro-Ro Cargo Vessels	1	15,092	-	-	-	15,092	-	-	-	-	-	-
Tank Barges	134	5,619	7,844	11,708	18,855	10,803	247	4,471	7,035	11,476	19,450	10,508
Tankers	160	19,467	37,651	42,510	47,057	35,961	223	15,656	37,734	42,278	48,403	34,961
Towing Vessel	16	73	112	-	366	166	17	116	148	186	846	308
Other a/	-	-	-	-	-	-	1	8,841	-	-	-	8,841
Total all vessel types	443	5,218	16,339	33,721	45,678	25,075	606	3,923	13,678	31,746	45,970	23,025

a/ Includes fishing vessels, industrial vessels, research vessels, school ships.

Source: Prepared by Nathan Associates based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports, 2002-2003.

Vessel Arrivals by ANPR Region, Port Area, and Average Vessel DWT, 2002-2003

ANPR Region: Mid-Atlantic Block Island Sound

ANPR Port Area: Bridgeport, CT

Vessel Type	2002						2003					
	Vessel Arrivals	Average vessel DWT by quartile (000s)					Vessel Arrivals	Average vessel DWT by quartile (000s)				
		Bottom 25%	Second 25%	Third 25%	Top 25%	Overall average		Bottom 25%	Second 25%	Third 25%	Top 25%	Overall average
Bulk Carriers	11	42,053	57,991	72,943	73,786	57,696	36	46,830	69,718	71,908	74,949	62,037
Combination Carriers	-	-	-	-	-	-	-	-	-	-	-	-
Containerships	-	-	-	-	-	-	1	8,947	-	-	-	8,947
Freight Barges	-	-	-	-	-	-	6	1,182	-	-	-	1,182
General Cargo Vessels	4	6,120	7,118	8,097	8,258	7,398	2	7,051	-	-	-	7,051
Passenger Vessels	-	-	-	-	-	-	4	199	-	-	280	219
Refrigerated Cargo Vessels	61	12,551	-	13,613	-	13,004	67	9,808	-	13,387	15,763	11,747
Ro-Ro Cargo Vessels	10	4,605	-	-	18,324	7,349	-	-	-	-	-	-
Tank Barges	103	2,979	6,159	10,656	19,250	9,458	192	2,787	5,340	11,129	19,233	9,464
Tankers	30	2,521	2,965	34,931	48,353	19,786	52	2,187	-	27,555	72,749	21,779
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	-	-	-	-	-	-	-	-	-	-	-
Total all vessel types	219	3,301	7,967	13,524	32,939	14,150	360	2,295	6,321	13,934	48,333	16,670

a/ Includes fishing vessels, industrial vessels, research vessels, school ships.

Source: Prepared by Nathan Associates based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports, 2002-2003.

Vessel Arrivals by ANPR Region, Port Area, and Average Vessel DWT, 2002-2003

ANPR Region: Mid-Atlantic Block Island Sound

ANPR Port Area: Long Island, NY

Vessel Type	2002						2003					
	Vessel Arrivals	Average vessel DWT by quartile (000s)					Vessel Arrivals	Average vessel DWT by quartile (000s)				
		Bottom 25%	Second 25%	Third 25%	Top 25%	Overall average		Bottom 25%	Second 25%	Third 25%	Top 25%	Overall average
Bulk Carriers	1	39,338	-	-	-	39,338	-	-	-	-	-	-
Combination Carriers	1	66,234	-	-	-	66,234	2	74,868	-	96,027	-	85,448
Containerships	-	-	-	-	-	-	-	-	-	-	-	-
Freight Barges	2	1,182	-	1,638	-	1,410	2	1,182	-	-	-	1,182
General Cargo Vessels	1	97	-	-	-	97	-	-	-	-	-	-
Passenger Vessels	30	184	218	281	-	231	32	196	280	281	-	246
Refrigerated Cargo Vessels	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Vessels	-	-	-	-	-	-	-	-	-	-	-	-
Tank Barges	242	3,694	7,198	9,079	19,645	9,733	586	2,856	6,219	9,292	20,143	9,348
Tankers	153	7,325	52,474	78,203	136,317	62,529	255	770	2,715	45,806	116,848	40,986
Towing Vessel	-	-	-	-	-	-	3	75	118	-	-	104
Other a/	-	-	-	-	-	-	2	7,926	-	8,392	-	8,159
Total all vessel types	430	1,751	7,239	16,082	91,022	27,995	882	1,431	4,850	10,888	58,907	18,285

a/ Includes fishing vessels, industrial vessels, research vessels, school ships.

Source: Prepared by Nathan Associates based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports, 2002-2003.

Vessel Arrivals by ANPR Region, Port Area, and Average Vessel DWT, 2002-2003

ANPR Region: Mid-Atlantic Ports of New York/ New Jersey

ANPR Port Area: New York City, NY

Vessel Type	2002						2003					
	Vessel Arrivals	Average vessel DWT by quartile (000s)					Vessel Arrivals	Average vessel DWT by quartile (000s)				
		Bottom 25%	Second 25%	Third 25%	Top 25%	Overall average		Bottom 25%	Second 25%	Third 25%	Top 25%	Overall average
Bulk Carriers	352	15,060	33,215	42,313	56,615	36,775	392	17,257	34,234	42,806	55,459	37,439
Combination Carriers	42	45,520	70,275	77,113	89,602	69,000	44	49,084	75,407	80,521	98,364	73,025
Containerships	2,408	20,285	37,600	49,049	61,825	42,016	2,496	20,928	38,431	50,778	62,572	42,867
Freight Barges	1	8,210	-	-	-	8,210	1	8,210	-	-	-	8,210
General Cargo Vessels	122	6,334	15,123	31,087	41,375	23,329	67	4,118	10,937	23,136	35,098	18,072
Passenger Vessels	198	2,799	4,676	6,806	9,740	5,850	239	3,447	5,911	9,244	11,884	7,490
Refrigerated Cargo Vessels	24	10,917	13,584	13,613	31,478	17,286	20	10,713	23,775	-	53,393	27,261
Ro-Ro Cargo Vessels	761	10,179	15,444	21,828	46,037	23,065	744	9,789	15,372	20,923	45,989	22,842
Tank Barges	2	10,340	-	28,995	-	19,668	20	4,884	8,209	8,793	14,989	9,160
Tankers	1,422	16,961	38,619	49,777	92,905	49,519	1,625	20,541	40,852	51,344	94,192	51,655
Towing Vessel	19	146	646	846	-	515	20	144	352	846	-	537
Other a/	16	753	2,631	5,186	8,835	4,006	8	366	671	2,159	6,246	2,361
Total all vessel types	5,367	11,536	30,749	45,087	69,366	39,040	5,676	11,969	32,682	46,301	71,028	40,448

a/ Includes fishing vessels, industrial vessels, research vessels, school ships.

Source: Prepared by Nathan Associates based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports, 2002-2003.

Vessel Arrivals by ANPR Region, Port Area, and Average Vessel DWT, 2002-2003

ANPR Region: Mid-Atlantic Delaware Bay

ANPR Port Area: Philadelphia, PA

Vessel Type	2002						2003					
	Vessel Arrivals	Average vessel DWT by quartile (000s)					Vessel Arrivals	Average vessel DWT by quartile (000s)				
		Bottom 25%	Second 25%	Third 25%	Top 25%	Overall average		Bottom 25%	Second 25%	Third 25%	Top 25%	Overall average
Bulk Carriers	452	11,148	25,345	37,426	53,818	31,876	324	12,508	26,602	38,727	51,623	32,365
Combination Carriers	31	88,523	-	98,595	149,999	95,738	19	95,171	-	-	136,291	103,828
Containerships	474	4,842	14,493	20,236	39,939	19,727	478	5,179	14,216	23,762	49,127	22,740
Freight Barges	34	8,556	15,960	-	16,634	13,188	16	9,887	16,535	-	-	14,873
General Cargo Vessels	287	6,591	10,288	15,701	31,780	16,035	196	6,166	9,735	14,491	29,291	14,921
Passenger Vessels	8	1,237	4,558	6,732	15,000	6,467	26	3,052	5,013	5,797	9,632	5,536
Refrigerated Cargo Vessels	285	6,915	10,112	14,428	30,382	15,205	406	7,787	10,199	12,655	28,654	14,046
Ro-Ro Cargo Vessels	157	7,397	14,161	17,295	20,634	14,696	150	9,234	14,368	17,124	19,490	14,911
Tank Barges	13	12,700	26,967	44,795	54,586	31,559	11	6,525	13,646	19,217	25,275	14,787
Tankers	952	20,942	57,875	104,728	165,758	87,277	885	26,170	70,432	110,751	170,072	94,142
Towing Vessel	23	152	706	846	1,548	629	17	145	820	846	1,548	556
Other a/	5	816	919	4,819	5,044	2,483	2	816	-	-	-	816
Total all vessel types	2,721	8,072	17,790	37,320	116,767	44,834	2,530	7,649	16,717	39,455	123,194	46,666

a/ Includes fishing vessels, industrial vessels, research vessels, school ships.

Source: Prepared by Nathan Associates based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports, 2002-2003.

Vessel Arrivals by ANPR Region, Port Area, and Average Vessel DWT, 2002-2003

ANPR Region: Mid-Atlantic Chesapeake Bay

ANPR Port Area: Hampton Roads, VA

Vessel Type	2002						2003					
	Vessel Arrivals	Average vessel DWT by quartile (000s)					Vessel Arrivals	Average vessel DWT by quartile (000s)				
		Bottom 25%	Second 25%	Third 25%	Top 25%	Overall average		Bottom 25%	Second 25%	Third 25%	Top 25%	Overall average
Bulk Carriers	345	10,561	32,726	47,982	94,882	46,148	324	12,513	35,165	56,606	85,083	47,272
Combination Carriers	16	74,892	77,482	83,039	102,913	81,935	32	67,189	77,447	82,956	102,980	79,436
Containerships	1,719	21,907	40,118	50,208	61,935	43,378	1,721	22,265	39,008	50,442	62,538	43,312
Freight Barges	-	-	-	-	-	-	1	8,210	-	-	-	8,210
General Cargo Vessels	204	5,118	11,138	24,620	37,714	19,357	141	6,543	13,302	24,299	36,072	19,910
Passenger Vessels	22	2,470	5,861	8,075	18,517	7,467	31	3,671	-	9,100	13,622	6,561
Refrigerated Cargo Vessels	10	6,732	12,236	27,904	-	18,419	1	12,206	-	-	-	12,206
Ro-Ro Cargo Vessels	188	11,059	23,436	43,108	52,976	32,421	173	13,357	22,698	43,086	53,031	32,694
Tank Barges	-	-	-	-	-	-	5	13,060	-	-	-	13,060
Tankers	204	13,765	34,081	61,463	101,049	52,589	210	18,421	41,893	63,042	114,372	58,930
Towing Vessel	3	134	-	152	-	140	5	498	928	1,741	1,852	1,103
Other a/	9	712	1,836	2,727	5,049	2,373	14	750	2,516	4,288	24,952	7,199
Total all vessel types	2,720	14,202	34,613	48,162	70,044	41,522	2,658	15,421	35,917	49,239	71,049	42,751

a/ Includes fishing vessels, industrial vessels, research vessels, school ships.

Source: Prepared by Nathan Associates based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports, 2002-2003.

Vessel Arrivals by ANPR Region, Port Area, and Average Vessel DWT, 2002-2003

ANPR Region: Mid-Atlantic Chesapeake Bay

ANPR Port Area: Baltimore, MD

Vessel Type	2002						2003					
	Vessel Arrivals	Average vessel DWT by quartile (000s)					Vessel Arrivals	Average vessel DWT by quartile (000s)				
		Bottom 25%	Second 25%	Third 25%	Top 25%	Overall average		Bottom 25%	Second 25%	Third 25%	Top 25%	Overall average
Bulk Carriers	335	11,073	29,797	64,827	89,436	48,347	320	13,205	34,598	59,172	78,928	46,476
Combination Carriers	5	61,417	75,590	78,488	82,460	71,874	8	38,633	71,959	-	83,155	65,027
Containerships	414	26,042	33,663	43,577	52,387	38,738	380	22,777	33,694	43,241	52,835	37,766
Freight Barges	-	-	-	-	-	-	-	-	-	-	-	-
General Cargo Vessels	235	7,408	16,177	21,694	39,491	20,970	214	8,189	17,215	21,687	40,236	21,575
Passenger Vessels	37	4,526	8,622	-	22,481	8,264	41	3,814	8,550	-	-	7,279
Refrigerated Cargo Vessels	12	6,886	10,416	12,206	12,266	9,846	7	9,360	10,085	12,266	-	10,709
Ro-Ro Cargo Vessels	704	12,410	16,007	21,395	41,187	22,453	694	12,308	15,293	19,428	38,519	21,363
Tank Barges	5	1,451	-	-	-	1,451	6	3,622	14,877	-	-	11,125
Tankers	167	11,584	28,139	41,716	57,611	34,463	203	13,298	40,539	49,983	93,513	48,976
Towing Vessel	16	125	151	846	-	449	14	590	846	-	-	736
Other a/	16	1,966	6,381	8,339	8,969	6,173	26	6,771	8,969	11,683	22,871	11,958
Total all vessel types	1,946	10,211	19,169	33,566	59,713	30,638	1,913	10,471	18,650	35,079	61,643	31,307

a/ Includes fishing vessels, industrial vessels, research vessels, school ships.

Source: Prepared by Nathan Associates based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports, 2002-2003.

Vessel Arrivals by ANPR Region, Port Area, and Average Vessel DWT, 2002-2003

ANPR Region: Mid-Atlantic Morehead City and Beaufort, NC

ANPR Port Area: Morehead City, NC

Vessel Type	2002						2003					
	Vessel Arrivals	Average vessel DWT by quartile (000s)					Vessel Arrivals	Average vessel DWT by quartile (000s)				
		Bottom 25%	Second 25%	Third 25%	Top 25%	Overall average		Bottom 25%	Second 25%	Third 25%	Top 25%	Overall average
Bulk Carriers	18	6,016	19,219	27,350	48,028	23,760	29	15,889	27,723	38,036	61,656	33,509
Combination Carriers	-	-	-	-	-	-	-	-	-	-	-	-
Containerships	7	3,500	36,895	-	41,949	28,075	15	8,191	24,410	41,600	42,941	28,375
Freight Barges	-	-	-	-	-	-	-	-	-	-	-	-
General Cargo Vessels	12	3,278	6,114	17,683	25,376	13,113	32	3,288	17,006	26,121	31,127	19,386
Passenger Vessels	-	-	-	-	-	-	-	-	-	-	-	-
Refrigerated Cargo Vessels	-	-	-	-	-	-	2	4,934	-	7,000	-	5,967
Ro-Ro Cargo Vessels	3	16,157	16,178	-	-	16,171	4	12,487	13,651	-	16,157	13,987
Tank Barges	1	14,078	-	-	-	14,078	-	-	-	-	-	-
Tankers	15	14,282	26,242	29,918	34,450	24,335	42	20,450	28,217	30,610	40,404	29,369
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	-	-	-	-	-	2	500	-	2,589	-	1,545
Total all vessel types	56	5,179	16,790	25,630	38,771	21,592	126	8,333	24,599	28,918	44,116	26,367

a/ Includes fishing vessels, industrial vessels, research vessels, school ships.

Source: Prepared by Nathan Associates based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports, 2002-2003.

Vessel Arrivals by ANPR Region, Port Area, and Average Vessel DWT, 2002-2003

ANPR Region: Mid-Atlantic Wilmington, NC

ANPR Port Area: Wilmington, NC

Vessel Type	2002						2003					
	Vessel Arrivals	Average vessel DWT by quartile (000s)					Vessel Arrivals	Average vessel DWT by quartile (000s)				
		Bottom 25%	Second 25%	Third 25%	Top 25%	Overall average		Bottom 25%	Second 25%	Third 25%	Top 25%	Overall average
Bulk Carriers	138	8,515	23,698	31,022	45,508	27,025	113	6,806	24,288	35,590	46,440	27,436
Combination Carriers	7	40,585	-	-	75,466	45,568	8	46,785	-	-	74,928	50,303
Containerships	112	24,437	41,368	51,245	62,757	44,335	98	18,787	39,886	46,302	52,958	38,995
Freight Barges	2	1,747	-	22,419	-	12,083	-	-	-	-	-	-
General Cargo Vessels	132	3,703	12,512	27,035	43,893	21,519	119	5,466	19,091	37,974	45,077	26,690
Passenger Vessels	-	-	-	-	-	-	-	-	-	-	-	-
Refrigerated Cargo Vessels	1	6,455	-	-	-	6,455	1	9,340	-	-	-	9,340
Ro-Ro Cargo Vessels	34	8,594	28,682	42,600	-	29,505	27	13,519	35,943	42,600	51,294	33,410
Tank Barges	26	8,214	14,078	19,500	23,551	15,001	18	8,396	19,500	-	23,827	16,280
Tankers	278	9,338	23,301	38,031	51,621	30,273	260	10,394	29,103	41,848	53,665	33,680
Towing Vessel	4	137	150	150	-	147	1	820	-	-	-	820
Other a/	3	133	500	2,589	-	1,074	1	11,957	-	-	-	11,957
Total all vessel types	737	7,354	21,594	37,898	51,564	29,441	646	8,924	26,388	41,105	50,808	31,694

a/ Includes fishing vessels, industrial vessels, research vessels, school ships.

Source: Prepared by Nathan Associates based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports, 2002-2003.

Vessel Arrivals by ANPR Region, Port Area, and Average Vessel DWT, 2002-2003

ANPR Region: Mid-Atlantic Georgetown, SC

ANPR Port Area: Georgetown, SC

Vessel Type	2002						2003					
	Vessel Arrivals	Average vessel DWT by quartile (000s)					Vessel Arrivals	Average vessel DWT by quartile (000s)				
		Bottom 25%	Second 25%	Third 25%	Top 25%	Overall average		Bottom 25%	Second 25%	Third 25%	Top 25%	Overall average
Bulk Carriers	48	7,680	14,693	29,733	45,006	24,278	2	14,100	-	46,664	-	30,382
Combination Carriers	4	47,906	-	-	-	47,906	-	-	-	-	-	-
Containerships	5	19,752	47,359	58,869	60,350	41,216	-	-	-	-	-	-
Freight Barges	-	-	-	-	-	-	-	-	-	-	-	-
General Cargo Vessels	20	7,730	26,630	44,467	46,059	30,276	1	49,770	-	-	-	49,770
Passenger Vessels	-	-	-	-	-	-	-	-	-	-	-	-
Refrigerated Cargo Vessels	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Vessels	1	17,510	-	-	-	17,510	-	-	-	-	-	-
Tank Barges	-	-	-	-	-	-	-	-	-	-	-	-
Tankers	-	-	-	-	-	-	-	-	-	-	-	-
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	-	-	-	-	-	-	-	-	-	-	-
Total all vessel types	78	7,719	18,309	37,719	48,918	28,027	3	14,100	46,664	49,770	-	36,845

a/ Includes fishing vessels, industrial vessels, research vessels, school ships.

Source: Prepared by Nathan Associates based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports, 2002-2003.

Vessel Arrivals by ANPR Region, Port Area, and Average Vessel DWT, 2002-2003

ANPR Region: Mid-Atlantic Charleston, SC

ANPR Port Area: Charleston, SC

Vessel Type	2002						2003					
	Vessel Arrivals	Average vessel DWT by quartile (000s)					Vessel Arrivals	Average vessel DWT by quartile (000s)				
		Bottom 25%	Second 25%	Third 25%	Top 25%	Overall average		Bottom 25%	Second 25%	Third 25%	Top 25%	Overall average
Bulk Carriers	210	16,329	35,657	42,622	60,404	38,572	170	13,833	29,583	40,807	58,084	35,294
Combination Carriers	2	38,300	-	47,906	-	43,103	2	38,633	-	-	-	38,633
Containerships	1,632	26,877	40,578	50,769	60,478	44,570	1,553	28,102	40,313	52,022	61,674	44,949
Freight Barges	1	14,515	-	-	-	14,515	-	-	-	-	-	-
General Cargo Vessels	145	9,160	26,302	40,114	42,613	29,286	98	8,867	27,312	40,984	46,910	30,089
Passenger Vessels	34	1,379	6,271	8,622	21,350	7,205	41	1,948	6,746	8,622	10,774	6,538
Refrigerated Cargo Vessels	5	7,402	8,488	11,720	15,710	10,144	7	6,602	9,046	-	12,206	8,799
Ro-Ro Cargo Vessels	238	12,003	16,305	23,105	33,706	20,797	233	11,960	16,567	20,193	35,083	20,830
Tank Barges	35	21,952	-	24,654	30,643	23,452	18	16,877	23,000	24,654	32,024	21,855
Tankers	182	23,266	40,491	46,078	53,925	40,871	218	31,069	41,790	46,358	56,866	43,440
Towing Vessel	19	128	196	213	874	256	16	146	155	212	820	219
Other a/	7	507	1,160	2,056	5,057	1,693	5	567	1,522	8,264	11,957	4,576
Total all vessel types	2,510	17,113	35,451	45,694	59,384	39,326	2,361	17,271	36,138	45,951	59,891	39,773

a/ Includes fishing vessels, industrial vessels, research vessels, school ships.

Source: Prepared by Nathan Associates based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports, 2002-2003.

Vessel Arrivals by ANPR Region, Port Area, and Average Vessel DWT, 2002-2003

ANPR Region: Mid-Atlantic Savannah, GA

ANPR Port Area: Savannah, GA

Vessel Type	2002						2003					
	Vessel Arrivals	Average vessel DWT by quartile (000s)					Vessel Arrivals	Average vessel DWT by quartile (000s)				
		Bottom 25%	Second 25%	Third 25%	Top 25%	Overall average		Bottom 25%	Second 25%	Third 25%	Top 25%	Overall average
Bulk Carriers	275	9,574	21,549	31,377	45,213	26,862	318	9,627	21,125	32,056	44,110	26,508
Combination Carriers	15	31,177	-	46,785	52,342	38,831	14	45,038	-	-	-	45,038
Containerships	1,269	21,585	41,011	49,993	63,420	43,654	1,460	24,978	43,037	53,607	64,034	46,350
Freight Barges	2	1,167	-	-	-	1,167	-	-	-	-	-	-
General Cargo Vessels	286	6,036	14,721	31,311	45,019	24,232	254	5,948	13,108	26,623	45,220	21,914
Passenger Vessels	5	460	1,465	4,558	24,186	6,226	6	398	1,023	3,808	7,180	2,769
Refrigerated Cargo Vessels	8	27,904	-	-	53,328	31,082	9	53,328	53,409	-	-	53,373
Ro-Ro Cargo Vessels	195	11,950	23,474	34,150	43,210	27,659	187	8,116	18,918	31,486	43,259	25,098
Tank Barges	14	8,490	-	24,313	45,314	17,901	4	5,129	9,050	-	19,500	10,682
Tankers	356	13,615	28,373	39,187	56,480	34,289	357	15,971	33,972	40,668	60,586	37,738
Towing Vessel	22	136	149	637	-	367	6	149	846	-	-	614
Other a/	1	11,957	-	-	-	11,957	3	567	2,589	2,865	-	2,007
Total all vessel types	2,448	12,273	30,432	43,534	58,406	36,132	2,618	13,523	34,029	45,559	61,624	38,584

a/ Includes fishing vessels, industrial vessels, research vessels, school ships.

Source: Prepared by Nathan Associates based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports, 2002-2003.

Vessel Arrivals by ANPR Region, Port Area, and Average Vessel DWT, 2002-2003

ANPR Region: Southeastern US

ANPR Port Area: Brunswick, GA

Vessel Type	2002						2003					
	Vessel Arrivals	Average vessel DWT by quartile (000s)					Vessel Arrivals	Average vessel DWT by quartile (000s)				
		Bottom 25%	Second 25%	Third 25%	Top 25%	Overall average		Bottom 25%	Second 25%	Third 25%	Top 25%	Overall average
Bulk Carriers	95	3,091	10,559	26,600	49,709	21,653	88	3,091	9,550	23,004	45,030	19,215
Combination Carriers	-	-	-	-	-	-	-	-	-	-	-	-
Containerships	33	12,328	33,226	41,100	44,201	31,286	30	21,289	40,850	41,749	66,708	33,475
Freight Barges	-	-	-	-	-	-	-	-	-	-	-	-
General Cargo Vessels	64	8,193	24,185	40,172	44,267	28,442	57	8,794	23,209	40,228	42,484	27,998
Passenger Vessels	-	-	-	-	-	-	1	17	-	-	-	17
Refrigerated Cargo Vessels	9	14,558	-	-	-	14,558	13	9,038	10,140	10,496	15,200	10,662
Ro-Ro Cargo Vessels	335	12,820	15,133	18,455	27,367	18,417	300	12,743	14,706	18,342	27,847	18,285
Tank Barges	-	-	-	-	-	-	-	-	-	-	-	-
Tankers	3	8,799	21,683	32,093	-	20,858	5	30,337	-	-	62,460	36,762
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	-	-	-	-	-	-	-	-	-	-	-
Total all vessel types	539	9,240	15,446	21,822	38,422	20,915	494	8,277	14,640	21,041	38,329	20,443

a/ Includes fishing vessels, industrial vessels, research vessels, school ships.

Source: Prepared by Nathan Associates based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports, 2002-2003.

Vessel Arrivals by ANPR Region, Port Area, and Average Vessel DWT, 2002-2003

ANPR Region: Southeastern US

ANPR Port Area: Fernandina, FL

Vessel Type	2002						2003					
	Vessel Arrivals	Average vessel DWT by quartile (000s)					Vessel Arrivals	Average vessel DWT by quartile (000s)				
		Bottom 25%	Second 25%	Third 25%	Top 25%	Overall average		Bottom 25%	Second 25%	Third 25%	Top 25%	Overall average
Bulk Carriers	9	10,493	18,017	41,875	54,355	28,886	9	16,411	40,596	50,655	-	37,005
Combination Carriers	-	-	-	-	-	-	-	-	-	-	-	-
Containerships	114	4,317	6,743	8,329	12,630	7,315	84	4,894	-	6,850	13,696	7,130
Freight Barges	8	4,025	-	-	5,513	4,211	2	4,025	-	-	-	4,025
General Cargo Vessels	106	3,196	7,144	10,170	39,923	14,110	118	3,160	6,374	10,903	42,139	13,484
Passenger Vessels	2	4,558	-	4,979	-	4,768	2	17	-	4,979	-	2,498
Refrigerated Cargo Vessels	31	13,227	-	13,613	-	13,389	37	10,332	-	13,340	15,100	12,142
Ro-Ro Cargo Vessels	-	-	-	-	-	-	2	3,694	-	51,419	-	27,556
Tank Barges	-	-	-	-	-	-	-	-	-	-	-	-
Tankers	-	-	-	-	-	-	2	5,173	-	-	-	5,173
Towing Vessel	9	132	-	-	152	134	11	127	-	-	-	127
Other a/	5	1,836	-	-	8,267	3,122	-	-	-	-	-	-
Total all vessel types	284	3,099	5,841	9,145	26,097	10,791	267	3,731	6,647	10,001	28,492	11,431

a/ Includes fishing vessels, industrial vessels, research vessels, school ships.

Source: Prepared by Nathan Associates based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports, 2002-2003.

Vessel Arrivals by ANPR Region, Port Area, and Average Vessel DWT, 2002-2003

ANPR Region: Southeastern US

ANPR Port Area: Jacksonville, FL

Vessel Type	2002						2003					
	Vessel Arrivals	Average vessel DWT by quartile (000s)					Vessel Arrivals	Average vessel DWT by quartile (000s)				
		Bottom 25%	Second 25%	Third 25%	Top 25%	Overall average		Bottom 25%	Second 25%	Third 25%	Top 25%	Overall average
Bulk Carriers	169	16,990	32,241	47,620	71,158	41,083	182	19,667	36,976	45,402	64,000	40,828
Combination Carriers	4	41,712	47,906	-	-	46,358	5	46,051	-	-	-	46,051
Containerships	572	6,179	17,140	24,246	42,217	21,621	513	4,650	15,560	25,947	43,833	22,117
Freight Barges	204	9,429	13,169	16,413	24,914	15,110	202	11,699	13,169	16,531	19,588	14,283
General Cargo Vessels	302	4,117	5,014	9,604	38,911	13,987	283	3,890	5,246	11,015	35,177	13,111
Passenger Vessels	6	99	-	695	4,979	1,111	16	127	-	4,880	-	2,206
Refrigerated Cargo Vessels	15	5,564	6,426	8,889	15,581	8,683	12	7,946	9,631	10,775	19,095	11,862
Ro-Ro Cargo Vessels	616	12,254	15,328	17,376	24,924	17,420	572	11,849	15,191	17,124	22,470	16,550
Tank Barges	38	16,131	28,756	30,817	48,067	28,949	10	16,960	-	26,615	30,643	22,593
Tankers	266	25,542	40,249	46,316	56,194	41,548	321	24,957	41,175	46,647	55,167	41,865
Towing Vessel	280	147	-	-	544	214	295	150	-	-	253	157
Other a/	8	638	1,142	2,692	4,010	2,120	9	623	-	-	3,745	1,317
Total all vessel types	2,480	2,406	12,841	20,508	44,740	20,120	2,420	1,826	12,629	20,900	45,669	20,235

a/ Includes fishing vessels, industrial vessels, research vessels, school ships.

Source: Prepared by Nathan Associates based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports, 2002-2003.

Vessel Arrivals by ANPR Region, Port Area, and Average Vessel DWT, 2002-2003

ANPR Region: Southeastern US

ANPR Port Area: Port Canaveral, FL

Vessel Type	2002						2003					
	Vessel Arrivals	Average vessel DWT by quartile (000s)					Vessel Arrivals	Average vessel DWT by quartile (000s)				
		Bottom 25%	Second 25%	Third 25%	Top 25%	Overall average		Bottom 25%	Second 25%	Third 25%	Top 25%	Overall average
Bulk Carriers	135	5,778	12,266	21,800	38,732	19,377	119	5,259	16,679	29,087	44,994	23,540
Combination Carriers	2	54,500	-	64,850	-	59,675	2	38,633	-	-	-	38,633
Containerships	10	35,686	39,749	41,389	-	38,944	18	3,278	29,437	41,300	59,644	31,519
Freight Barges	6	726	-	5,730	-	3,228	13	726	-	-	3,079	907
General Cargo Vessels	72	5,143	12,573	14,883	34,939	16,124	81	4,312	11,052	15,592	40,029	17,078
Passenger Vessels	450	6,510	8,600	14,357	15,092	11,007	567	4,133	8,600	12,774	14,848	9,327
Refrigerated Cargo Vessels	43	6,107	7,122	8,834	13,307	8,077	49	5,928	6,312	7,470	12,903	7,886
Ro-Ro Cargo Vessels	13	8,126	10,565	12,613	25,785	12,441	38	7,185	12,380	-	23,646	12,495
Tank Barges	2	18,878	-	19,452	-	19,165	3	19,452	20,240	30,352	-	23,348
Tankers	44	30,584	40,032	49,241	72,467	47,553	27	32,308	44,947	54,228	73,730	50,129
Towing Vessel	2	71	-	151	-	111	14	71	-	150	413	150
Other a/	3	664	1,666	2,865	-	1,732	2	500	-	664	-	582
Total all vessel types	782	5,946	9,317	14,700	36,404	15,222	933	2,995	8,292	13,592	33,017	13,309

a/ Includes fishing vessels, industrial vessels, research vessels, school ships.

Source: Prepared by Nathan Associates based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports, 2002-2003.

Appendix C

VESSEL ARRIVALS BY PORT
AREA AND PROPOSED
RESTRICTED PERIODS

Table C-1. Vessel Arrivals by ANPR Port Area and Proposed Restricted Periods, 2002-2003

ANPR port area: Total East Coast

Vessel Type	2002						2003					
	Arrivals during restricted periods					Total all arrivals	Arrivals during restricted periods					Total all arrivals
	Period 1	Period 2	Restricted Subtotal	% of all arrivals	Un- restricted		Period 1	Period 2	Restricted Subtotal	% of all arrivals	Un- restricted	
Bulk Carriers	881	296	1,177	38.1%	1,911	3,088	846	307	1,153	37.0%	1,961	3,114
Combination Carriers	37	19	56	38.4%	90	146	36	7	43	25.7%	124	167
Containerships	3,003	913	3,916	43.6%	5,056	8,972	3,111	886	3,997	43.4%	5,218	9,215
Freight Barges	63	10	73	26.2%	206	279	65	9	74	29.4%	178	252
General Cargo Vessels	782	147	929	43.0%	1,230	2,159	595	116	711	37.8%	1,172	1,883
Passenger Vessels	44	134	178	17.0%	867	1,045	65	150	215	18.0%	982	1,197
Refrigerated Cargo Vessels	141	89	230	44.2%	290	520	178	116	294	45.2%	356	650
Ro-Ro Cargo Vessels	1,001	364	1,365	38.9%	2,147	3,512	1,070	301	1,371	39.1%	2,133	3,504
Tank Barges	50	149	199	26.7%	547	746	243	158	401	32.1%	850	1,251
Tankers	1,201	609	1,810	34.0%	3,511	5,321	1,476	666	2,142	37.2%	3,613	5,755
Towing Vessels	105	18	123	29.4%	295	418	151	14	165	35.7%	297	462
Other a/	19	13	32	36.4%	56	88	17	9	26	28.6%	65	91
Total all vessel types	7,327	2,761	10,088	38.4%	16,206	26,294	7,853	2,739	10,592	38.5%	16,949	27,541

a/ Includes fishing vessels, industrial vessels, research vessels, school ships.

Table C-2. Vessel Arrivals by ANPR Port Area and Proposed Restricted Periods, 2002-2003

ANPR port area: Eastport, ME

Vessel Type	2002						2003					
	Arrivals during restricted periods				Un-restricted	Total all arrivals	Arrivals during restricted periods				Un-restricted	Total all arrivals
	Period 1	Period 2	Restricted Subtotal	% of all arrivals			Period 1	Period 2	Restricted Subtotal	% of all arrivals		
Bulk Carriers	-	-	-	0.0%	19	19	-	-	-	0.0%	16	16
Combination Carriers	-	-	-	-	-	-	-	-	-	-	-	-
Containerships	-	-	-	0.0%	7	7	-	-	-	0.0%	5	5
Freight Barges	-	-	-	-	-	-	-	-	-	-	-	-
General Cargo Vessels	-	-	-	0.0%	6	6	-	-	-	0.0%	20	20
Passenger Vessels	-	-	-	-	-	-	-	-	-	-	-	-
Refrigerated Cargo Vessels	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Vessels	-	-	-	-	-	-	-	-	-	-	-	-
Tank Barges	-	-	-	-	-	-	-	-	-	-	-	-
Tankers	-	-	-	-	-	-	-	-	-	-	-	-
Towing Vessels	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	-	-	-	-	-	-	-	-	-	-	-
Total all vessel types	-	-	-	0.0%	32	32	-	-	-	0.0%	41	41

a/ Includes fishing vessels, industrial vessels, research vessels, school ships.

Table C-3. Vessel Arrivals by ANPR Port Area and Proposed Restricted Periods, 2002-2003

ANPR port area: Searsport, ME

Vessel Type	2002						2003					
	Arrivals during restricted periods				Un- restricted	Total all arrivals	Arrivals during restricted periods				Un- restricted	Total all arrivals
	Period 1	Period 2	Restricted Subtotal	% of all arrivals			Period 1	Period 2	Restricted Subtotal	% of all arrivals		
Bulk Carriers	-	-	-	0.0%	15	15	-	-	-	0.0%	14	14
Combination Carriers	-	-	-	0.0%	1	1	-	-	-	0.0%	1	1
Containerships	-	-	-	-	-	-	-	-	-	-	-	-
Freight Barges	-	-	-	-	-	-	-	-	-	-	-	-
General Cargo Vessels	-	-	-	0.0%	1	1	-	-	-	-	-	-
Passenger Vessels	-	-	-	0.0%	56	56	-	-	-	0.0%	67	67
Refrigerated Cargo Vessels	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Vessels	-	-	-	-	-	-	-	-	-	0.0%	1	1
Tank Barges	-	-	-	0.0%	64	64	-	-	-	0.0%	24	24
Tankers	-	-	-	0.0%	96	96	-	-	-	0.0%	95	95
Towing Vessels	-	-	-	0.0%	1	1	-	-	-	0.0%	3	3
Other a/	-	-	-	-	-	-	-	-	-	-	-	-
Total all vessel types	-	-	-	0.0%	234	234	-	-	-	0.0%	205	205

a/ Includes fishing vessels, industrial vessels, research vessels, school ships.

Table C-4. Vessel Arrivals by ANPR Port Area and Proposed Restricted Periods, 2002-2003

ANPR port area: Portland, ME

Vessel Type	2002						2003					
	Arrivals during restricted periods				Un- restricted	Total all arrivals	Arrivals during restricted periods				Un- restricted	Total all arrivals
	Period 1	Period 2	Restricted Subtotal	% of all arrivals			Period 1	Period 2	Restricted Subtotal	% of all arrivals		
Bulk Carriers	-	-	-	0.0%	107	107	-	-	-	0.0%	319	319
Combination Carriers	-	-	-	0.0%	10	10	-	-	-	0.0%	22	22
Containerships	-	-	-	0.0%	40	40	-	-	-	0.0%	224	224
Freight Barges	-	-	-	0.0%	2	2	-	-	-	0.0%	2	2
General Cargo Vessels	-	-	-	0.0%	28	28	-	-	-	0.0%	85	85
Passenger Vessels	-	-	-	0.0%	24	24	-	-	-	0.0%	21	21
Refrigerated Cargo Vessels	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Vessels	-	-	-	0.0%	88	88	-	-	-	0.0%	259	259
Tank Barges	-	-	-	0.0%	15	15	-	-	-	0.0%	29	29
Tankers	-	-	-	0.0%	373	373	-	-	-	0.0%	488	488
Towing Vessels	-	-	-	0.0%	3	3	-	-	-	0.0%	33	33
Other a/	-	-	-	0.0%	4	4	-	-	-	0.0%	8	8
Total all vessel types	-	-	-	0.0%	694	694	-	-	-	0.0%	1,490	1,490

a/ Includes fishing vessels, industrial vessels, research vessels, school ships.

Table C-5. Vessel Arrivals by ANPR Port Area and Proposed Restricted Periods, 2002-2003

ANPR port area: Portsmouth, NH

Vessel Type	2002						2003					
	Arrivals during restricted periods				Un-restricted	Total all arrivals	Arrivals during restricted periods				Un-restricted	Total all arrivals
	Period 1	Period 2	Restricted Subtotal	% of all arrivals			Period 1	Period 2	Restricted Subtotal	% of all arrivals		
Bulk Carriers	-	-	-	0.0%	50	50	-	-	-	0.0%	67	67
Combination Carriers	-	-	-	0.0%	1	1	-	-	-	0.0%	3	3
Containerships	-	-	-	0.0%	1	1	-	-	-	0.0%	56	56
Freight Barges	-	-	-	0.0%	10	10	-	-	-	-	-	-
General Cargo Vessels	-	-	-	0.0%	5	5	-	-	-	0.0%	10	10
Passenger Vessels	-	-	-	-	-	-	-	-	-	0.0%	1	1
Refrigerated Cargo Vessels	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Vessels	-	-	-	-	-	-	-	-	-	0.0%	5	5
Tank Barges	-	-	-	0.0%	20	20	-	-	-	0.0%	2	2
Tankers	-	-	-	0.0%	98	98	-	-	-	0.0%	129	129
Towing Vessels	-	-	-	0.0%	1	1	-	-	-	0.0%	2	2
Other a/	-	-	-	0.0%	1	1	-	-	-	0.0%	2	2
Total all vessel types	-	-	-	0.0%	187	187	-	-	-	0.0%	277	277

a/ Includes fishing vessels, industrial vessels, research vessels, school ships.

Table C-6. Vessel Arrivals by ANPR Port Area and Proposed Restricted Periods, 2002-2003

ANPR port area: Salem, MA

Vessel Type	2002						2003					
	Arrivals during restricted periods				Un-restricted	Total all arrivals	Arrivals during restricted periods				Un-restricted	Total all arrivals
	Period 1	Period 2	Restricted Subtotal	% of all arrivals			Period 1	Period 2	Restricted Subtotal	% of all arrivals		
Bulk Carriers	3	-	3	14.3%	18	21	1	-	1	14.3%	6	7
Combination Carriers	-	-	-	-	-	-	-	-	-	-	-	-
Containerships	-	-	-	-	-	-	-	-	-	-	-	-
Freight Barges	-	-	-	-	-	-	-	-	-	-	-	-
General Cargo Vessels	-	-	-	-	-	-	-	-	-	-	-	-
Passenger Vessels	-	-	-	-	-	-	1	-	1	100.0%	-	1
Refrigerated Cargo Vessels	1	-	1	50.0%	1	2	-	-	-	-	-	-
Ro-Ro Cargo Vessels	-	-	-	0.0%	1	1	-	-	-	-	-	-
Tank Barges	-	-	-	-	-	-	-	-	-	-	-	-
Tankers	-	-	-	0.0%	1	1	-	-	-	0.0%	1	1
Towing Vessels	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	-	-	-	-	-	-	-	-	-	-	-
Total all vessel types	4	-	4	16.0%	21	25	2	-	2	22.2%	7	9

a/ Includes fishing vessels, industrial vessels, research vessels, school ships.

Table C-7. Vessel Arrivals by ANPR Port Area and Proposed Restricted Periods, 2002-2003

ANPR port area: Boston, MA

Vessel Type	2002						2003					
	Arrivals during restricted periods				Un-restricted	Total all arrivals	Arrivals during restricted periods				Un-restricted	Total all arrivals
	Period 1	Period 2	Restricted Subtotal	% of all arrivals			Period 1	Period 2	Restricted Subtotal	% of all arrivals		
Bulk Carriers	7	-	7	11.1%	56	63	1	-	1	2.9%	33	34
Combination Carriers	-	-	-	0.0%	1	1	-	-	-	0.0%	1	1
Containerships	18	-	18	12.1%	131	149	14	-	14	18.2%	63	77
Freight Barges	-	-	-	0.0%	1	1	-	-	-	0.0%	2	2
General Cargo Vessels	3	-	3	14.3%	18	21	3	-	3	42.9%	4	7
Passenger Vessels	4	-	4	4.4%	87	91	6	-	6	30.0%	14	20
Refrigerated Cargo Vessels	-	-	-	-	-	-	1	-	1	25.0%	3	4
Ro-Ro Cargo Vessels	18	-	18	13.4%	116	134	9	-	9	25.7%	26	35
Tank Barges	1	-	1	50.0%	1	2	-	-	-	-	-	-
Tankers	45	-	45	11.3%	352	397	49	-	49	23.9%	156	205
Towing Vessels	-	-	-	-	-	-	-	-	-	0.0%	1	1
Other a/	1	-	1	50.0%	1	2	1	-	1	25.0%	3	4
Total all vessel types	97	-	97	11.3%	764	861	84	-	84	21.5%	306	390

a/ Includes fishing vessels, industrial vessels, research vessels, school ships.

Table C-8. Vessel Arrivals by ANPR Port Area and Proposed Restricted Periods, 2002-2003

ANPR port area: Cape Cod, MA

Vessel Type	2002						2003					
	Arrivals during restricted periods				Un-restricted	Total all arrivals	Arrivals during restricted periods				Un-restricted	Total all arrivals
	Period 1	Period 2	Restricted Subtotal	% of all arrivals			Period 1	Period 2	Restricted Subtotal	% of all arrivals		
Bulk Carriers	-	-	-	-	-	-	-	-	-	-	-	-
Combination Carriers	-	-	-	0.0%	1	1	-	-	-	-	-	-
Containerships	-	-	-	-	-	-	-	-	-	-	-	-
Freight Barges	-	-	-	-	-	-	-	-	-	-	-	-
General Cargo Vessels	-	-	-	-	-	-	-	-	-	-	-	-
Passenger Vessels	-	-	-	0.0%	12	12	-	-	-	0.0%	9	9
Refrigerated Cargo Vessels	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Vessels	-	-	-	-	-	-	-	-	-	-	-	-
Tank Barges	-	-	-	-	-	-	-	-	-	-	-	-
Tankers	1	-	1	10.0%	9	10	6	-	6	46.2%	7	13
Towing Vessels	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	-	-	-	-	-	-	-	-	-	-	-
Total all vessel types	1	-	1	4.3%	22	23	6	-	6	27.3%	16	22

a/ Includes fishing vessels, industrial vessels, research vessels, school ships.

Table C-9. Vessel Arrivals by ANPR Port Area and Proposed Restricted Periods, 2002-2003

ANPR port area: New Bedford, MA

Vessel Type	2002						2003					
	Arrivals during restricted periods				Un-restricted	Total all arrivals	Arrivals during restricted periods				Un-restricted	Total all arrivals
	Period 1	Period 2	Restricted Subtotal	% of all arrivals			Period 1	Period 2	Restricted Subtotal	% of all arrivals		
Bulk Carriers	7	11	18	40.9%	26	44	9	11	20	34.5%	38	58
Combination Carriers	-	-	-	-	-	-	-	-	-	-	-	-
Containerships	-	-	-	-	-	-	-	-	-	0.0%	1	1
Freight Barges	1	-	1	100.0%	-	1	-	-	-	-	-	-
General Cargo Vessels	9	6	15	45.5%	18	33	4	4	8	30.8%	18	26
Passenger Vessels	-	12	12	41.4%	17	29	-	-	-	-	-	-
Refrigerated Cargo Vessels	8	1	9	81.8%	2	11	-	4	4	36.4%	7	11
Ro-Ro Cargo Vessels	-	-	-	-	-	-	-	-	-	-	-	-
Tank Barges	-	-	-	-	-	-	-	-	-	0.0%	5	5
Tankers	-	2	2	40.0%	3	5	1	2	3	30.0%	7	10
Towing Vessels	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	2	2	100.0%	-	2	-	-	-	-	-	-
Total all vessel types	25	34	59	47.2%	66	125	14	21	35	31.5%	76	111

a/ Includes fishing vessels, industrial vessels, research vessels, school ships.

Table C-10. Vessel Arrivals by ANPR Port Area and Proposed Restricted Periods, 2002-2003

ANPR port area: Providence, RI

Vessel Type	2002						2003					
	Arrivals during restricted periods				Un-restricted	Total all arrivals	Arrivals during restricted periods				Un-restricted	Total all arrivals
	Period 1	Period 2	Restricted Subtotal	% of all arrivals			Period 1	Period 2	Restricted Subtotal	% of all arrivals		
Bulk Carriers	14	12	26	28.0%	67	93	13	15	28	33.7%	55	83
Combination Carriers	1	1	2	100.0%	-	2	-	-	-	0.0%	2	2
Containerships	1	-	1	100.0%	-	1	-	1	1	50.0%	1	2
Freight Barges	-	-	-	0.0%	1	1	-	-	-	-	-	-
General Cargo Vessels	4	2	6	33.3%	12	18	4	3	7	29.2%	17	24
Passenger Vessels	1	23	24	64.9%	13	37	-	25	25	71.4%	10	35
Refrigerated Cargo Vessels	-	-	-	0.0%	2	2	2	-	2	50.0%	2	4
Ro-Ro Cargo Vessels	3	9	12	36.4%	21	33	15	14	29	36.3%	51	80
Tank Barges	-	-	-	0.0%	1	1	-	-	-	0.0%	2	2
Tankers	12	13	25	24.3%	78	103	20	19	39	32.2%	82	121
Towing Vessels	-	-	-	-	-	-	1	-	1	33.3%	2	3
Other a/	2	-	2	33.3%	4	6	-	1	1	100.0%	-	1
Total all vessel types	38	60	98	33.0%	199	297	55	78	133	37.3%	224	357

a/ Includes fishing vessels, industrial vessels, research vessels, school ships.

Table C-11. Vessel Arrivals by ANPR Port Area and Proposed Restricted Periods, 2002-2003

ANPR port area: New London, CT

Vessel Type	2002						2003					
	Arrivals during restricted periods				Un-restricted	Total all arrivals	Arrivals during restricted periods				Un-restricted	Total all arrivals
	Period 1	Period 2	Restricted Subtotal	% of all arrivals			Period 1	Period 2	Restricted Subtotal	% of all arrivals		
Bulk Carriers	1	2	3	37.5%	5	8	3	5	8	34.8%	15	23
Combination Carriers	-	-	-	-	-	-	-	-	-	-	-	-
Containerships	-	-	-	-	-	-	-	-	-	0.0%	2	2
Freight Barges	-	-	-	-	-	-	-	-	-	-	-	-
General Cargo Vessels	1	2	3	33.3%	6	9	2	1	3	30.0%	7	10
Passenger Vessels	-	1	1	25.0%	3	4	-	4	4	12.5%	28	32
Refrigerated Cargo Vessels	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Vessels	-	-	-	-	-	-	-	-	-	-	-	-
Tank Barges	-	10	10	34.5%	19	29	14	9	23	33.3%	46	69
Tankers	-	1	1	16.7%	5	6	1	1	2	25.0%	6	8
Towing Vessels	-	-	-	-	-	-	-	-	-	0.0%	1	1
Other a/	-	-	-	-	-	-	-	-	-	0.0%	1	1
Total all vessel types	2	16	18	32.1%	38	56	20	20	40	27.4%	106	146

a/ Includes fishing vessels, industrial vessels, research vessels, school ships.

Table C-12. Vessel Arrivals by ANPR Port Area and Proposed Restricted Periods, 2002-2003

ANPR port area: New Haven, CT

Vessel Type	2002						2003					
	Arrivals during restricted periods				Un- restricted	Total all arrivals	Arrivals during restricted periods				Un- restricted	Total all arrivals
	Period 1	Period 2	Restricted Subtotal	% of all arrivals			Period 1	Period 2	Restricted Subtotal	% of all arrivals		
Bulk Carriers	15	13	28	37.3%	47	75	16	11	27	40.3%	40	67
Combination Carriers	-	-	-	0.0%	1	1	-	-	-	0.0%	2	2
Containerships	1	-	1	20.0%	4	5	-	-	-	0.0%	1	1
Freight Barges	-	-	-	0.0%	4	4	-	2	2	40.0%	3	5
General Cargo Vessels	3	8	11	23.9%	35	46	6	6	12	31.6%	26	38
Passenger Vessels	-	-	-	-	-	-	-	4	4	80.0%	1	5
Refrigerated Cargo Vessels	-	1	1	100.0%	-	1	-	-	-	-	-	-
Ro-Ro Cargo Vessels	1	-	1	100.0%	-	1	-	-	-	-	-	-
Tank Barges	1	36	37	27.6%	97	134	35	40	75	30.4%	172	247
Tankers	16	25	41	25.6%	119	160	38	39	77	34.5%	146	223
Towing Vessels	-	6	6	37.5%	10	16	-	5	5	29.4%	12	17
Other a/	-	-	-	-	-	-	-	1	1	100.0%	-	1
Total all vessel types	37	89	126	28.4%	317	443	95	108	203	33.5%	403	606

a/ Includes fishing vessels, industrial vessels, research vessels, school ships.

Table C-13. Vessel Arrivals by ANPR Port Area and Proposed Restricted Periods, 2002-2003

ANPR port area: Bridgeport, CT

Vessel Type	2002						2003					
	Arrivals during restricted periods				Un-restricted	Total all arrivals	Arrivals during restricted periods				Un-restricted	Total all arrivals
	Period 1	Period 2	Restricted Subtotal	% of all arrivals			Period 1	Period 2	Restricted Subtotal	% of all arrivals		
Bulk Carriers	2	-	2	18.2%	9	11	7	7	14	38.9%	22	36
Combination Carriers	-	-	-	-	-	-	-	-	-	-	-	-
Containerships	-	-	-	-	-	-	-	-	-	0.0%	1	1
Freight Barges	-	-	-	-	-	-	-	3	3	50.0%	3	6
General Cargo Vessels	-	2	2	50.0%	2	4	-	1	1	50.0%	1	2
Passenger Vessels	-	-	-	-	-	-	1	-	1	25.0%	3	4
Refrigerated Cargo Vessels	10	10	20	32.8%	41	61	10	9	19	28.4%	48	67
Ro-Ro Cargo Vessels	1	2	3	30.0%	7	10	-	-	-	-	-	-
Tank Barges	-	29	29	28.2%	74	103	31	27	58	30.2%	134	192
Tankers	2	6	8	26.7%	22	30	10	8	18	34.6%	34	52
Towing Vessels	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	-	-	-	-	-	-	-	-	-	-	-
Total all vessel types	15	49	64	29.2%	155	219	59	55	114	31.7%	246	360

a/ Includes fishing vessels, industrial vessels, research vessels, school ships.

Table C-14. Vessel Arrivals by ANPR Port Area and Proposed Restricted Periods, 2002-2003

ANPR port area: Long Island, NY

Vessel Type	2002						2003					
	Arrivals during restricted periods				Un-restricted	Total all arrivals	Arrivals during restricted periods				Un-restricted	Total all arrivals
	Period 1	Period 2	Restricted Subtotal	% of all arrivals			Period 1	Period 2	Restricted Subtotal	% of all arrivals		
Bulk Carriers	-	-	-	0.0%	1	1	-	-	-	-	-	-
Combination Carriers	-	-	-	0.0%	1	1	-	-	-	0.0%	2	2
Containerships	-	-	-	-	-	-	-	-	-	-	-	-
Freight Barges	-	1	1	50.0%	1	2	-	2	2	100.0%	-	2
General Cargo Vessels	-	-	-	0.0%	1	1	-	-	-	-	-	-
Passenger Vessels	-	7	7	23.3%	23	30	3	10	13	40.6%	19	32
Refrigerated Cargo Vessels	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Vessels	-	-	-	-	-	-	-	-	-	-	-	-
Tank Barges	-	64	64	26.4%	178	242	93	82	175	29.9%	411	586
Tankers	13	23	36	23.5%	117	153	50	44	94	36.9%	161	255
Towing Vessels	-	-	-	-	-	-	2	1	3	100.0%	-	3
Other a/	-	-	-	-	-	-	-	-	-	0.0%	2	2
Total all vessel types	13	95	108	25.1%	322	430	148	139	287	32.5%	595	882

a/ Includes fishing vessels, industrial vessels, research vessels, school ships.

Table C-15. Vessel Arrivals by ANPR Port Area and Proposed Restricted Periods, 2002-2003

ANPR port area: New York City, NY

Vessel Type	2002						2003					
	Arrivals during restricted periods				Un-restricted	Total all arrivals	Arrivals during restricted periods				Un-restricted	Total all arrivals
	Period 1	Period 2	Restricted Subtotal	% of all arrivals			Period 1	Period 2	Restricted Subtotal	% of all arrivals		
Bulk Carriers	83	63	146	41.5%	206	352	99	72	171	43.6%	221	392
Combination Carriers	13	4	17	40.5%	25	42	11	5	16	36.4%	28	44
Containerships	547	434	981	40.7%	1,427	2,408	589	417	1,006	40.3%	1,490	2,496
Freight Barges	-	-	-	0.0%	1	1	-	-	-	0.0%	1	1
General Cargo Vessels	49	12	61	50.0%	61	122	18	8	26	38.8%	41	67
Passenger Vessels	5	79	84	42.4%	114	198	4	83	87	36.4%	152	239
Refrigerated Cargo Vessels	7	3	10	41.7%	14	24	2	4	6	30.0%	14	20
Ro-Ro Cargo Vessels	158	150	308	40.5%	453	761	190	119	309	41.5%	435	744
Tank Barges	1	-	1	50.0%	1	2	15	-	15	75.0%	5	20
Tankers	337	240	577	40.6%	845	1,422	461	258	719	44.2%	906	1,625
Towing Vessels	4	3	7	36.8%	12	19	7	4	11	55.0%	9	20
Other a/	2	5	7	43.8%	9	16	-	1	1	12.5%	7	8
Total all vessel types	1,206	993	2,199	41.0%	3,168	5,367	1,396	971	2,367	41.7%	3,309	5,676

a/ Includes fishing vessels, industrial vessels, research vessels, school ships.

Table C-16. Vessel Arrivals by ANPR Port Area and Proposed Restricted Periods, 2002-2003

ANPR port area: Philadelphia, PA

Vessel Type	2002						2003					
	Arrivals during restricted periods				Un-restricted	Total all arrivals	Arrivals during restricted periods				Un-restricted	Total all arrivals
	Period 1	Period 2	Restricted Subtotal	% of all arrivals			Period 1	Period 2	Restricted Subtotal	% of all arrivals		
Bulk Carriers	118	100	218	48.2%	234	452	96	76	172	53.1%	152	324
Combination Carriers	5	12	17	54.8%	14	31	6	-	6	31.6%	13	19
Containerships	127	116	243	51.3%	231	474	121	126	247	51.7%	231	478
Freight Barges	4	9	13	38.2%	21	34	1	2	3	18.8%	13	16
General Cargo Vessels	81	66	147	51.2%	140	287	66	44	110	56.1%	86	196
Passenger Vessels	-	5	5	62.5%	3	8	-	16	16	61.5%	10	26
Refrigerated Cargo Vessels	87	71	158	55.4%	127	285	129	98	227	55.9%	179	406
Ro-Ro Cargo Vessels	34	48	82	52.2%	75	157	36	38	74	49.3%	76	150
Tank Barges	-	9	9	69.2%	4	13	10	-	10	90.9%	1	11
Tankers	226	237	463	48.6%	489	952	218	219	437	49.4%	448	885
Towing Vessels	7	6	13	56.5%	10	23	4	3	7	41.2%	10	17
Other a/	-	-	-	0.0%	5	5	-	1	1	50.0%	1	2
Total all vessel types	689	679	1,368	50.3%	1,353	2,721	687	623	1,310	51.8%	1,220	2,530

a/ Includes fishing vessels, industrial vessels, research vessels, school ships.

Table C-17. Vessel Arrivals by ANPR Port Area and Proposed Restricted Periods, 2002-2003

ANPR port area: Hampton Roads, VA

Vessel Type	2002						2003					
	Arrivals during restricted periods				Un-restricted	Total all arrivals	Arrivals during restricted periods				Un-restricted	Total all arrivals
	Period 1	Period 2	Restricted Subtotal	% of all arrivals			Period 1	Period 2	Restricted Subtotal	% of all arrivals		
Bulk Carriers	91	48	139	40.3%	206	345	80	57	137	42.3%	187	324
Combination Carriers	3	2	5	31.3%	11	16	8	-	8	25.0%	24	32
Containerships	404	291	695	40.4%	1,024	1,719	422	278	700	40.7%	1,021	1,721
Freight Barges	-	-	-	-	-	-	1	-	1	100.0%	-	1
General Cargo Vessels	58	20	78	38.2%	126	204	35	22	57	40.4%	84	141
Passenger Vessels	2	1	3	13.6%	19	22	2	2	4	12.9%	27	31
Refrigerated Cargo Vessels	2	1	3	30.0%	7	10	1	-	1	100.0%	-	1
Ro-Ro Cargo Vessels	48	31	79	42.0%	109	188	37	25	62	35.8%	111	173
Tank Barges	-	-	-	-	-	-	4	-	4	80.0%	1	5
Tankers	47	40	87	42.6%	117	204	67	40	107	51.0%	103	210
Towing Vessels	-	-	-	0.0%	3	3	1	-	1	20.0%	4	5
Other a/	-	4	4	44.4%	5	9	2	2	4	28.6%	10	14
Total all vessel types	655	438	1,093	40.2%	1,627	2,720	660	426	1,086	40.9%	1,572	2,658

a/ Includes fishing vessels, industrial vessels, research vessels, school ships.

Table C-18. Vessel Arrivals by ANPR Port Area and Proposed Restricted Periods, 2002-2003

ANPR port area: Baltimore, MD

Vessel Type	2002						2003					
	Arrivals during restricted periods				Un-restricted	Total all arrivals	Arrivals during restricted periods				Un-restricted	Total all arrivals
	Period 1	Period 2	Restricted Subtotal	% of all arrivals			Period 1	Period 2	Restricted Subtotal	% of all arrivals		
Bulk Carriers	90	47	137	40.9%	198	335	95	53	148	46.3%	172	320
Combination Carriers	3	-	3	60.0%	2	5	1	2	3	37.5%	5	8
Containerships	104	72	176	42.5%	238	414	95	64	159	41.8%	221	380
Freight Barges	-	-	-	-	-	-	-	-	-	-	-	-
General Cargo Vessels	70	29	99	42.1%	136	235	56	27	83	38.8%	131	214
Passenger Vessels	4	6	10	27.0%	27	37	6	6	12	29.3%	29	41
Refrigerated Cargo Vessels	4	2	6	50.0%	6	12	2	1	3	42.9%	4	7
Ro-Ro Cargo Vessels	152	124	276	39.2%	428	704	215	105	320	46.1%	374	694
Tank Barges	1	1	2	40.0%	3	5	2	-	2	33.3%	4	6
Tankers	47	22	69	41.3%	98	167	53	36	89	43.8%	114	203
Towing Vessels	5	3	8	50.0%	8	16	3	1	4	28.6%	10	14
Other a/	4	2	6	37.5%	10	16	4	3	7	26.9%	19	26
Total all vessel types	484	308	792	40.7%	1,154	1,946	532	298	830	43.4%	1,083	1,913

a/ Includes fishing vessels, industrial vessels, research vessels, school ships.

Table C-19. Vessel Arrivals by ANPR Port Area and Proposed Restricted Periods, 2002-2003

ANPR port area: Morehead City, NC

Vessel Type	2002						2003					
	Arrivals during restricted periods				Un-restricted	Total all arrivals	Arrivals during restricted periods				Un-restricted	Total all arrivals
	Period 1	Period 2	Restricted Subtotal	% of all arrivals			Period 1	Period 2	Restricted Subtotal	% of all arrivals		
Bulk Carriers	7	-	7	38.9%	11	18	10	-	10	34.5%	19	29
Combination Carriers	-	-	-	-	-	-	-	-	-	-	-	-
Containerships	1	-	1	14.3%	6	7	6	-	6	40.0%	9	15
Freight Barges	-	-	-	-	-	-	-	-	-	-	-	-
General Cargo Vessels	5	-	5	41.7%	7	12	15	-	15	46.9%	17	32
Passenger Vessels	-	-	-	-	-	-	-	-	-	-	-	-
Refrigerated Cargo Vessels	-	-	-	-	-	-	1	-	1	50.0%	1	2
Ro-Ro Cargo Vessels	1	-	1	33.3%	2	3	2	-	2	50.0%	2	4
Tank Barges	-	-	-	0.0%	1	1	-	-	-	-	-	-
Tankers	3	-	3	20.0%	12	15	15	-	15	35.7%	27	42
Towing Vessels	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	-	-	-	-	-	2	-	2	100.0%	-	2
Total all vessel types	17	-	17	30.4%	39	56	51	-	51	40.5%	75	126

a/ Includes fishing vessels, industrial vessels, research vessels, school ships.

Table C-20. Vessel Arrivals by ANPR Port Area and Proposed Restricted Periods, 2002-2003

ANPR port area: Wilmington, NC

Vessel Type	2002						2003					
	Arrivals during restricted periods				Un-restricted	Total all arrivals	Arrivals during restricted periods				Un-restricted	Total all arrivals
	Period 1	Period 2	Restricted Subtotal	% of all arrivals			Period 1	Period 2	Restricted Subtotal	% of all arrivals		
Bulk Carriers	64	-	64	46.4%	74	138	52	-	52	46.0%	61	113
Combination Carriers	4	-	4	57.1%	3	7	3	-	3	37.5%	5	8
Containerships	43	-	43	38.4%	69	112	39	-	39	39.8%	59	98
Freight Barges	-	-	-	0.0%	2	2	-	-	-	-	-	-
General Cargo Vessels	62	-	62	47.0%	70	132	51	-	51	42.9%	68	119
Passenger Vessels	-	-	-	-	-	-	-	-	-	-	-	-
Refrigerated Cargo Vessels	-	-	-	0.0%	1	1	1	-	1	100.0%	-	1
Ro-Ro Cargo Vessels	13	-	13	38.2%	21	34	10	-	10	37.0%	17	27
Tank Barges	10	-	10	38.5%	16	26	11	-	11	61.1%	7	18
Tankers	112	-	112	40.3%	166	278	106	-	106	40.8%	154	260
Towing Vessels	1	-	1	25.0%	3	4	1	-	1	100.0%	-	1
Other a/	1	-	1	33.3%	2	3	-	-	-	0.0%	1	1
Total all vessel types	310	-	310	42.1%	427	737	274	-	274	42.4%	372	646

a/ Includes fishing vessels, industrial vessels, research vessels, school ships.

Table C-21. Vessel Arrivals by ANPR Port Area and Proposed Restricted Periods, 2002-2003

ANPR port area: Georgetown, SC

Vessel Type	2002						2003					
	Arrivals during restricted periods				Un- restricted	Total all arrivals	Arrivals during restricted periods				Un- restricted	Total all arrivals
	Period 1	Period 2	Restricted Subtotal	% of all arrivals			Period 1	Period 2	Restricted Subtotal	% of all arrivals		
Bulk Carriers	19	-	19	39.6%	29	48	-	-	-	0.0%	2	2
Combination Carriers	-	-	-	0.0%	4	4	-	-	-	-	-	-
Containerships	2	-	2	40.0%	3	5	-	-	-	-	-	-
Freight Barges	-	-	-	-	-	-	-	-	-	-	-	-
General Cargo Vessels	5	-	5	25.0%	15	20	-	-	-	0.0%	1	1
Passenger Vessels	-	-	-	-	-	-	-	-	-	-	-	-
Refrigerated Cargo Vessels	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Vessels	1	-	1	100.0%	-	1	-	-	-	-	-	-
Tank Barges	-	-	-	-	-	-	-	-	-	-	-	-
Tankers	-	-	-	-	-	-	-	-	-	-	-	-
Towing Vessels	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	-	-	-	-	-	-	-	-	-	-	-
Total all vessel types	27	-	27	34.6%	51	78	-	-	-	0.0%	3	3

a/ Includes fishing vessels, industrial vessels, research vessels, school ships.

Table C-22. Vessel Arrivals by ANPR Port Area and Proposed Restricted Periods, 2002-2003

ANPR port area: Charleston, SC

Vessel Type	2002						2003					
	Arrivals during restricted periods				Un-restricted	Total all arrivals	Arrivals during restricted periods				Un-restricted	Total all arrivals
	Period 1	Period 2	Restricted Subtotal	% of all arrivals			Period 1	Period 2	Restricted Subtotal	% of all arrivals		
Bulk Carriers	113	-	113	53.8%	97	210	107	-	107	62.9%	63	170
Combination Carriers	-	-	-	0.0%	2	2	-	-	-	0.0%	2	2
Containerships	922	-	922	56.5%	710	1,632	908	-	908	58.5%	645	1,553
Freight Barges	1	-	1	100.0%	-	1	-	-	-	-	-	-
General Cargo Vessels	93	-	93	64.1%	52	145	62	-	62	63.3%	36	98
Passenger Vessels	23	-	23	67.6%	11	34	29	-	29	70.7%	12	41
Refrigerated Cargo Vessels	4	-	4	80.0%	1	5	3	-	3	42.9%	4	7
Ro-Ro Cargo Vessels	139	-	139	58.4%	99	238	142	-	142	60.9%	91	233
Tank Barges	21	-	21	60.0%	14	35	17	-	17	94.4%	1	18
Tankers	99	-	99	54.4%	83	182	121	-	121	55.5%	97	218
Towing Vessels	14	-	14	73.7%	5	19	13	-	13	81.3%	3	16
Other a/	5	-	5	71.4%	2	7	2	-	2	40.0%	3	5
Total all vessel types	1,434	-	1,434	57.1%	1,076	2,510	1,404	-	1,404	59.5%	957	2,361

a/ Includes fishing vessels, industrial vessels, research vessels, school ships.

Table C-23. Vessel Arrivals by ANPR Port Area and Proposed Restricted Periods, 2002-2003

ANPR port area: Savannah, GA

Vessel Type	2002						2003					
	Arrivals during restricted periods					Total all arrivals	Arrivals during restricted periods					Total all arrivals
	Period 1	Period 2	Restricted Subtotal	% of all arrivals	Un- restricted		Period 1	Period 2	Restricted Subtotal	% of all arrivals	Un- restricted	
Bulk Carriers	134	-	134	48.7%	141	275	148	-	148	46.5%	170	318
Combination Carriers	6	-	6	40.0%	9	15	7	-	7	50.0%	7	14
Containerships	592	-	592	46.7%	677	1,269	697	-	697	47.7%	763	1,460
Freight Barges	-	-	-	0.0%	2	2	-	-	-	-	-	-
General Cargo Vessels	142	-	142	49.7%	144	286	125	-	125	49.2%	129	254
Passenger Vessels	2	-	2	40.0%	3	5	3	-	3	50.0%	3	6
Refrigerated Cargo Vessels	4	-	4	50.0%	4	8	5	-	5	55.6%	4	9
Ro-Ro Cargo Vessels	97	-	97	49.7%	98	195	82	-	82	43.9%	105	187
Tank Barges	7	-	7	50.0%	7	14	4	-	4	100.0%	-	4
Tankers	156	-	156	43.8%	200	356	153	-	153	42.9%	204	357
Towing Vessels	10	-	10	45.5%	12	22	2	-	2	33.3%	4	6
Other a/	1	-	1	100.0%	-	1	2	-	2	66.7%	1	3
Total all vessel types	1,151	-	1,151	47.0%	1,297	2,448	1,228	-	1,228	46.9%	1,390	2,618

a/ Includes fishing vessels, industrial vessels, research vessels, school ships.

Table C-24. Vessel Arrivals by ANPR Port Area and Proposed Restricted Periods, 2002-2003

ANPR port area: Brunswick, GA

Vessel Type	2002						2003					
	Arrivals during restricted periods				Un-restricted	Total all arrivals	Arrivals during restricted periods				Un-restricted	Total all arrivals
	Period 1	Period 2	Restricted Subtotal	% of all arrivals			Period 1	Period 2	Restricted Subtotal	% of all arrivals		
Bulk Carriers	47	-	47	49.5%	48	95	42	-	42	47.7%	46	88
Combination Carriers	-	-	-	-	-	-	-	-	-	-	-	-
Containerships	10	-	10	30.3%	23	33	13	-	13	43.3%	17	30
Freight Barges	-	-	-	-	-	-	-	-	-	-	-	-
General Cargo Vessels	34	-	34	53.1%	30	64	25	-	25	43.9%	32	57
Passenger Vessels	-	-	-	-	-	-	1	-	1	100.0%	-	1
Refrigerated Cargo Vessels	4	-	4	44.4%	5	9	6	-	6	46.2%	7	13
Ro-Ro Cargo Vessels	151	-	151	45.1%	184	335	143	-	143	47.7%	157	300
Tank Barges	-	-	-	-	-	-	-	-	-	-	-	-
Tankers	2	-	2	66.7%	1	3	4	-	4	80.0%	1	5
Towing Vessels	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	-	-	-	-	-	-	-	-	-	-	-
Total all vessel types	248	-	248	46.0%	291	539	234	-	234	47.4%	260	494

a/ Includes fishing vessels, industrial vessels, research vessels, school ships.

Table C-25. Vessel Arrivals by ANPR Port Area and Proposed Restricted Periods, 2002-2003

ANPR port area: Fernandina, FL

Vessel Type	2002						2003					
	Arrivals during restricted periods				Un-restricted	Total all arrivals	Arrivals during restricted periods				Un-restricted	Total all arrivals
	Period 1	Period 2	Restricted Subtotal	% of all arrivals			Period 1	Period 2	Restricted Subtotal	% of all arrivals		
Bulk Carriers	3	-	3	33.3%	6	9	3	-	3	33.3%	6	9
Combination Carriers	-	-	-	-	-	-	-	-	-	-	-	-
Containerships	42	-	42	36.8%	72	114	40	-	40	47.6%	44	84
Freight Barges	3	-	3	37.5%	5	8	1	-	1	50.0%	1	2
General Cargo Vessels	39	-	39	36.8%	67	106	34	-	34	28.8%	84	118
Passenger Vessels	-	-	-	0.0%	2	2	1	-	1	50.0%	1	2
Refrigerated Cargo Vessels	8	-	8	25.8%	23	31	12	-	12	32.4%	25	37
Ro-Ro Cargo Vessels	-	-	-	-	-	-	-	-	-	0.0%	2	2
Tank Barges	-	-	-	-	-	-	-	-	-	-	-	-
Tankers	-	-	-	-	-	-	-	-	-	0.0%	2	2
Towing Vessels	-	-	-	0.0%	9	9	7	-	7	63.6%	4	11
Other a/	1	-	1	20.0%	4	5	-	-	-	-	-	-
Total all vessel types	96	-	96	33.8%	188	284	98	-	98	36.7%	169	267

a/ Includes fishing vessels, industrial vessels, research vessels, school ships.

Table C-26. Vessel Arrivals by ANPR Port Area and Proposed Restricted Periods, 2002-2003

ANPR port area: Jacksonville, FL

Vessel Type	2002						2003					
	Arrivals during restricted periods					Total all arrivals	Arrivals during restricted periods					Total all arrivals
	Period 1	Period 2	Restricted Subtotal	% of all arrivals	Un- restricted		Period 1	Period 2	Restricted Subtotal	% of all arrivals	Un- restricted	
Bulk Carriers	63	-	63	37.3%	106	169	64	-	64	35.2%	118	182
Combination Carriers	2	-	2	50.0%	2	4	-	-	-	0.0%	5	5
Containerships	189	-	189	33.0%	383	572	167	-	167	32.6%	346	513
Freight Barges	54	-	54	26.5%	150	204	62	-	62	30.7%	140	202
General Cargo Vessels	124	-	124	41.1%	178	302	89	-	89	31.4%	194	283
Passenger Vessels	3	-	3	50.0%	3	6	8	-	8	50.0%	8	16
Refrigerated Cargo Vessels	2	-	2	13.3%	13	15	3	-	3	25.0%	9	12
Ro-Ro Cargo Vessels	184	-	184	29.9%	432	616	189	-	189	33.0%	383	572
Tank Barges	8	-	8	21.1%	30	38	7	-	7	70.0%	3	10
Tankers	83	-	83	31.2%	183	266	103	-	103	32.1%	218	321
Towing Vessels	64	-	64	22.9%	216	280	110	-	110	37.3%	185	295
Other a/	2	-	2	25.0%	6	8	4	-	4	44.4%	5	9
Total all vessel types	778	-	778	31.4%	1,702	2,480	806	-	806	33.3%	1,614	2,420

a/ Includes fishing vessels, industrial vessels, research vessels, school ships.

Table C-27. Vessel Arrivals by ANPR Port Area and Proposed Restricted Periods, 2002-2003

ANPR port area: Port Canaveral, FL

Vessel Type	2002						2003					
	Arrivals during restricted periods				Un-restricted	Total all arrivals	Arrivals during restricted periods				Un-restricted	Total all arrivals
	Period 1	Period 2	Restricted Subtotal	% of all arrivals			Period 1	Period 2	Restricted Subtotal	% of all arrivals		
Bulk Carriers	-	-	-	0.0%	135	135	-	-	-	0.0%	119	119
Combination Carriers	-	-	-	0.0%	2	2	-	-	-	0.0%	2	2
Containerships	-	-	-	0.0%	10	10	-	-	-	0.0%	18	18
Freight Barges	-	-	-	0.0%	6	6	-	-	-	0.0%	13	13
General Cargo Vessels	-	-	-	0.0%	72	72	-	-	-	0.0%	81	81
Passenger Vessels	-	-	-	0.0%	450	450	-	-	-	0.0%	567	567
Refrigerated Cargo Vessels	-	-	-	0.0%	43	43	-	-	-	0.0%	49	49
Ro-Ro Cargo Vessels	-	-	-	0.0%	13	13	-	-	-	0.0%	38	38
Tank Barges	-	-	-	0.0%	2	2	-	-	-	0.0%	3	3
Tankers	-	-	-	0.0%	44	44	-	-	-	0.0%	27	27
Towing Vessels	-	-	-	0.0%	2	2	-	-	-	0.0%	14	14
Other a/	-	-	-	0.0%	3	3	-	-	-	0.0%	2	2
Total all vessel types	-	-	-	0.0%	782	782	-	-	-	0.0%	933	933

a/ Includes fishing vessels, industrial vessels, research vessels, school ships.

Appendix D

RESTRICTED PERIOD
VESSEL ARRIVALS BY PORT
AREA AND AVERAGE VESSEL
DWT

Table D-1. Restricted Period Vessel Arrivals by ANPR Port Area and Average Vessel DWT by Quartile, 2002-2003

ANPR port area: Total East Coast

Vessel Type	2002						2003					
	Restricted period vessel arrivals	Average vessel DWT by quartile (000s)					Restricted period vessel arrivals	Average vessel DWT by quartile (000s)				
		Bottom 25%	Second 25%	Third 25%	Top 25%	Overall average		Bottom 25%	Second 25%	Third 25%	Top 25%	Overall average
Bulk Carriers	1,177	11,102	26,559	39,755	65,487	35,594	1,153	12,518	29,515	41,859	65,191	37,168
Combination Carriers	56	37,403	69,867	89,858	108,876	73,087	43	44,904	70,818	78,705	99,875	71,083
Containerships	3,916	16,761	35,172	47,057	60,749	39,858	3,997	17,606	37,140	48,929	61,999	41,368
Freight Barges	73	4,883	11,980	15,140	23,292	12,585	74	5,725	13,088	16,533	16,634	12,374
General Cargo Vessels	929	4,886	11,749	25,095	42,657	21,041	711	4,582	10,625	21,578	41,335	19,413
Passenger Vessels	178	1,409	4,602	7,437	10,750	5,906	215	796	5,144	7,742	11,094	5,901
Refrigerated Cargo Vessels	230	6,686	10,306	13,967	27,145	14,057	294	7,880	10,353	12,219	26,538	14,115
Ro-Ro Cargo Vessels	1,365	11,024	15,570	20,620	39,405	21,390	1,371	11,134	15,413	19,224	37,990	20,865
Tank Barges	199	4,199	8,083	15,219	27,161	13,239	401	3,222	6,533	10,964	21,388	10,500
Tankers	1,810	15,433	37,603	52,008	115,175	54,876	2,142	16,226	39,497	52,872	116,404	56,109
Towing Vessels	123	122	151	211	848	319	165	146	-	-	609	253
Other a/	32	399	2,015	5,178	8,624	3,848	26	599	1,686	6,744	20,178	5,558
Total all vessel types	10,088	8,822	23,581	40,852	68,928	35,502	10,592	8,066	23,953	41,931	71,328	36,309

a/ Includes fishing vessels, industrial vessels, research vessels, school ships.

Source: Prepared by Nathan Associates based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports, 2002-2003.

Table D-2. Restricted Period Vessel Arrivals by ANPR Port Area and Average Vessel DWT by Quartile, 2002-2003

ANPR port area: Eastport, ME

Vessel Type	2002						2003					
	Restricted period vessel arrivals	Average vessel DWT by quartile (000s)					Restricted period vessel arrivals	Average vessel DWT by quartile (000s)				
		Bottom 25%	Second 25%	Third 25%	Top 25%	Overall average		Bottom 25%	Second 25%	Third 25%	Top 25%	Overall average
Bulk Carriers	-	-	-	-	-	-	-	-	-	-	-	-
Combination Carriers	-	-	-	-	-	-	-	-	-	-	-	-
Containerships	-	-	-	-	-	-	-	-	-	-	-	-
Freight Barges	-	-	-	-	-	-	-	-	-	-	-	-
General Cargo Vessels	-	-	-	-	-	-	-	-	-	-	-	-
Passenger Vessels	-	-	-	-	-	-	-	-	-	-	-	-
Refrigerated Cargo Vessels	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Vessels	-	-	-	-	-	-	-	-	-	-	-	-
Tank Barges	-	-	-	-	-	-	-	-	-	-	-	-
Tankers	-	-	-	-	-	-	-	-	-	-	-	-
Towing Vessels	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	-	-	-	-	-	-	-	-	-	-	-
Total all vessel types	-	-	-	-	-	-	-	-	-	-	-	-

a/ Includes fishing vessels, industrial vessels, research vessels, school ships.

Source: Prepared by Nathan Associates based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports, 2002-2003.

Table D-3. Restricted Period Vessel Arrivals by ANPR Port Area and Average Vessel DWT by Quartile, 2002-2003

ANPR port area: Searsport, ME

Vessel Type	2002						2003					
	Restricted period vessel arrivals	Average vessel DWT by quartile (000s)					Restricted period vessel arrivals	Average vessel DWT by quartile (000s)				
		Bottom 25%	Second 25%	Third 25%	Top 25%	Overall average		Bottom 25%	Second 25%	Third 25%	Top 25%	Overall average
Bulk Carriers	-	-	-	-	-	-	-	-	-	-	-	-
Combination Carriers	-	-	-	-	-	-	-	-	-	-	-	-
Containerships	-	-	-	-	-	-	-	-	-	-	-	-
Freight Barges	-	-	-	-	-	-	-	-	-	-	-	-
General Cargo Vessels	-	-	-	-	-	-	-	-	-	-	-	-
Passenger Vessels	-	-	-	-	-	-	-	-	-	-	-	-
Refrigerated Cargo Vessels	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Vessels	-	-	-	-	-	-	-	-	-	-	-	-
Tank Barges	-	-	-	-	-	-	-	-	-	-	-	-
Tankers	-	-	-	-	-	-	-	-	-	-	-	-
Towing Vessels	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	-	-	-	-	-	-	-	-	-	-	-
Total all vessel types	-	-	-	-	-	-	-	-	-	-	-	-

a/ Includes fishing vessels, industrial vessels, research vessels, school ships.

Source: Prepared by Nathan Associates based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports, 2002-2003.

Table D-4. Restricted Period Vessel Arrivals by ANPR Port Area and Average Vessel DWT by Quartile, 2002-2003

ANPR port area: Portland, ME

Vessel Type	2002						2003					
	Restricted period vessel arrivals	Average vessel DWT by quartile (000s)					Restricted period vessel arrivals	Average vessel DWT by quartile (000s)				
		Bottom 25%	Second 25%	Third 25%	Top 25%	Overall average		Bottom 25%	Second 25%	Third 25%	Top 25%	Overall average
Bulk Carriers	-	-	-	-	-	-	-	-	-	-	-	-
Combination Carriers	-	-	-	-	-	-	-	-	-	-	-	-
Containerships	-	-	-	-	-	-	-	-	-	-	-	-
Freight Barges	-	-	-	-	-	-	-	-	-	-	-	-
General Cargo Vessels	-	-	-	-	-	-	-	-	-	-	-	-
Passenger Vessels	-	-	-	-	-	-	-	-	-	-	-	-
Refrigerated Cargo Vessels	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Vessels	-	-	-	-	-	-	-	-	-	-	-	-
Tank Barges	-	-	-	-	-	-	-	-	-	-	-	-
Tankers	-	-	-	-	-	-	-	-	-	-	-	-
Towing Vessels	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	-	-	-	-	-	-	-	-	-	-	-
Total all vessel types	-	-	-	-	-	-	-	-	-	-	-	-

a/ Includes fishing vessels, industrial vessels, research vessels, school ships.

Source: Prepared by Nathan Associates based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports, 2002-2003.

Table D-5. Restricted Period Vessel Arrivals by ANPR Port Area and Average Vessel DWT by Quartile, 2002-2003

ANPR port area: Portsmouth, NH

Vessel Type	2002						2003					
	Restricted period vessel arrivals	Average vessel DWT by quartile (000s)					Restricted period vessel arrivals	Average vessel DWT by quartile (000s)				
		Bottom 25%	Second 25%	Third 25%	Top 25%	Overall average		Bottom 25%	Second 25%	Third 25%	Top 25%	Overall average
Bulk Carriers	-	-	-	-	-	-	-	-	-	-	-	-
Combination Carriers	-	-	-	-	-	-	-	-	-	-	-	-
Containerships	-	-	-	-	-	-	-	-	-	-	-	-
Freight Barges	-	-	-	-	-	-	-	-	-	-	-	-
General Cargo Vessels	-	-	-	-	-	-	-	-	-	-	-	-
Passenger Vessels	-	-	-	-	-	-	-	-	-	-	-	-
Refrigerated Cargo Vessels	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Vessels	-	-	-	-	-	-	-	-	-	-	-	-
Tank Barges	-	-	-	-	-	-	-	-	-	-	-	-
Tankers	-	-	-	-	-	-	-	-	-	-	-	-
Towing Vessels	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	-	-	-	-	-	-	-	-	-	-	-
Total all vessel types	-	-	-	-	-	-	-	-	-	-	-	-

a/ Includes fishing vessels, industrial vessels, research vessels, school ships.

Source: Prepared by Nathan Associates based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports, 2002-2003.

Table D-6. Restricted Period Vessel Arrivals by ANPR Port Area and Average Vessel DWT by Quartile, 2002-2003

ANPR port area: Salem, MA

Vessel Type	2002						2003					
	Restricted period vessel arrivals	Average vessel DWT by quartile (000s)					Restricted period vessel arrivals	Average vessel DWT by quartile (000s)				
		Bottom 25%	Second 25%	Third 25%	Top 25%	Overall average		Bottom 25%	Second 25%	Third 25%	Top 25%	Overall average
Bulk Carriers	3	37,300	41,100	41,755	-	40,052	1	41,755	-	-	-	41,755
Combination Carriers	-	-	-	-	-	-	-	-	-	-	-	-
Containerships	-	-	-	-	-	-	-	-	-	-	-	-
Freight Barges	-	-	-	-	-	-	-	-	-	-	-	-
General Cargo Vessels	-	-	-	-	-	-	-	-	-	-	-	-
Passenger Vessels	-	-	-	-	-	-	1	3,780	-	-	-	3,780
Refrigerated Cargo Vessels	1	7,102	-	-	-	7,102	-	-	-	-	-	-
Ro-Ro Cargo Vessels	-	-	-	-	-	-	-	-	-	-	-	-
Tank Barges	-	-	-	-	-	-	-	-	-	-	-	-
Tankers	-	-	-	-	-	-	-	-	-	-	-	-
Towing Vessels	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	-	-	-	-	-	-	-	-	-	-	-
Total all vessel types	4	7,102	37,300	41,100	41,755	31,814	2	3,780	-	41,755	-	22,768

a/ Includes fishing vessels, industrial vessels, research vessels, school ships.

Source: Prepared by Nathan Associates based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports, 2002-2003.

Table D-7. Restricted Period Vessel Arrivals by ANPR Port Area and Average Vessel DWT by Quartile, 2002-2003

ANPR port area: Boston, MA

Vessel Type	2002						2003					
	Restricted period vessel arrivals	Average vessel DWT by quartile (000s)					Restricted period vessel arrivals	Average vessel DWT by quartile (000s)				
		Bottom 25%	Second 25%	Third 25%	Top 25%	Overall average		Bottom 25%	Second 25%	Third 25%	Top 25%	Overall average
Bulk Carriers	7	12,393	17,970	18,172	52,640	21,387	1	18,314	-	-	-	18,314
Combination Carriers	-	-	-	-	-	-	-	-	-	-	-	-
Containerships	18	24,230	35,520	43,208	51,617	38,096	14	16,712	44,184	48,888	51,983	39,014
Freight Barges	-	-	-	-	-	-	-	-	-	-	-	-
General Cargo Vessels	3	8,340	-	38,631	-	18,437	3	1,864	2,740	13,162	-	5,922
Passenger Vessels	4	6,911	7,202	-	-	7,129	6	4,000	5,030	7,202	8,155	5,931
Refrigerated Cargo Vessels	-	-	-	-	-	-	1	7,368	-	-	-	7,368
Ro-Ro Cargo Vessels	18	4,367	11,662	14,847	19,449	11,035	9	4,294	-	-	14,930	6,657
Tank Barges	1	6,247	-	-	-	6,247	-	-	-	-	-	-
Tankers	45	29,978	37,378	42,874	58,029	41,303	49	29,359	38,449	41,327	104,331	51,346
Towing Vessels	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	1	6,864	-	-	-	6,864	1	518	-	-	-	518
Total all vessel types	97	7,641	26,065	37,980	52,564	30,821	84	5,956	31,845	41,008	79,245	38,115

a/ Includes fishing vessels, industrial vessels, research vessels, school ships.

Source: Prepared by Nathan Associates based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports, 2002-2003.

Table D-8. Restricted Period Vessel Arrivals by ANPR Port Area and Average Vessel DWT by Quartile, 2002-2003

ANPR port area: Cape Cod, MA

Vessel Type	2002						2003					
	Restricted period vessel arrivals	Average vessel DWT by quartile (000s)					Restricted period vessel arrivals	Average vessel DWT by quartile (000s)				
		Bottom 25%	Second 25%	Third 25%	Top 25%	Overall average		Bottom 25%	Second 25%	Third 25%	Top 25%	Overall average
Bulk Carriers	-	-	-	-	-	-	-	-	-	-	-	-
Combination Carriers	-	-	-	-	-	-	-	-	-	-	-	-
Containerships	-	-	-	-	-	-	-	-	-	-	-	-
Freight Barges	-	-	-	-	-	-	-	-	-	-	-	-
General Cargo Vessels	-	-	-	-	-	-	-	-	-	-	-	-
Passenger Vessels	-	-	-	-	-	-	-	-	-	-	-	-
Refrigerated Cargo Vessels	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Vessels	-	-	-	-	-	-	-	-	-	-	-	-
Tank Barges	-	-	-	-	-	-	-	-	-	-	-	-
Tankers	1	69,871	-	-	-	69,871	6	59,586	65,034	67,026	75,500	65,626
Towing Vessels	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	-	-	-	-	-	-	-	-	-	-	-
Total all vessel types	1	69,871	-	-	-	69,871	6	59,586	65,034	67,026	75,500	65,626

a/ Includes fishing vessels, industrial vessels, research vessels, school ships.

Source: Prepared by Nathan Associates based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports, 2002-2003.

Table D-9. Restricted Period Vessel Arrivals by ANPR Port Area and Average Vessel DWT by Quartile, 2002-2003

ANPR port area: New Bedford, MA

Vessel Type	2002						2003					
	Restricted period vessel arrivals	Average vessel DWT by quartile (000s)					Restricted period vessel arrivals	Average vessel DWT by quartile (000s)				
		Bottom 25%	Second 25%	Third 25%	Top 25%	Overall average		Bottom 25%	Second 25%	Third 25%	Top 25%	Overall average
Bulk Carriers	18	38,162	-	41,100	57,547	42,633	20	34,523	38,747	60,452	72,026	49,435
Combination Carriers	-	-	-	-	-	-	-	-	-	-	-	-
Containerships	-	-	-	-	-	-	-	-	-	-	-	-
Freight Barges	1	24,103	-	-	-	24,103	-	-	-	-	-	-
General Cargo Vessels	15	1,201	3,896	10,400	23,500	8,653	8	3,266	6,654	9,684	17,617	9,305
Passenger Vessels	12	15	15	7,700	-	3,858	-	-	-	-	-	-
Refrigerated Cargo Vessels	9	6,099	-	6,116	6,489	6,148	4	6,455	6,522	7,102	8,147	7,057
Ro-Ro Cargo Vessels	-	-	-	-	-	-	-	-	-	-	-	-
Tank Barges	-	-	-	-	-	-	-	-	-	-	-	-
Tankers	2	10,530	-	22,780	-	16,655	3	12,748	13,947	14,170	-	13,622
Towing Vessels	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	2	47	-	149	-	98	-	-	-	-	-	-
Total all vessel types	59	791	6,715	29,960	54,257	17,905	35	6,195	18,787	40,465	67,902	32,349

a/ Includes fishing vessels, industrial vessels, research vessels, school ships.

Source: Prepared by Nathan Associates based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports, 2002-2003.

Table D-10. Restricted Period Vessel Arrivals by ANPR Port Area and Average Vessel DWT by Quartile, 2002-2003

ANPR port area: Providence, RI

Vessel Type	2002						2003					
	Restricted period vessel arrivals	Average vessel DWT by quartile (000s)					Restricted period vessel arrivals	Average vessel DWT by quartile (000s)				
		Bottom 25%	Second 25%	Third 25%	Top 25%	Overall average		Bottom 25%	Second 25%	Third 25%	Top 25%	Overall average
Bulk Carriers	26	19,082	32,071	35,338	39,724	30,717	28	17,476	32,200	38,604	44,780	33,036
Combination Carriers	2	54,502	-	76,324	-	65,413	-	-	-	-	-	-
Containerships	1	17,914	-	-	-	17,914	1	7,802	-	-	-	7,802
Freight Barges	-	-	-	-	-	-	-	-	-	-	-	-
General Cargo Vessels	6	1,403	9,790	11,566	22,526	9,709	7	10,329	11,076	20,634	37,614	17,278
Passenger Vessels	24	1,267	4,318	6,428	9,710	5,255	25	1,945	6,251	6,911	9,131	5,842
Refrigerated Cargo Vessels	-	-	-	-	-	-	2	6,347	-	6,413	-	6,380
Ro-Ro Cargo Vessels	12	13,674	17,424	19,965	30,489	20,388	29	12,779	14,217	15,900	18,883	15,295
Tank Barges	-	-	-	-	-	-	-	-	-	-	-	-
Tankers	25	9,724	30,563	38,495	52,792	31,395	39	21,879	38,299	43,972	58,672	39,868
Towing Vessels	-	-	-	-	-	-	1	150	-	-	-	150
Other a/	2	2,118	-	-	-	2,118	1	567	-	-	-	567
Total all vessel types	98	3,638	13,541	27,799	43,942	22,097	133	5,392	14,113	30,890	46,766	24,148

a/ Includes fishing vessels, industrial vessels, research vessels, school ships.

Source: Prepared by Nathan Associates based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports, 2002-2003.

Table D-11. Restricted Period Vessel Arrivals by ANPR Port Area and Average Vessel DWT by Quartile, 2002-2003

ANPR port area: New London, CT

Vessel Type	2002						2003					
	Restricted period vessel arrivals	Average vessel DWT by quartile (000s)					Restricted period vessel arrivals	Average vessel DWT by quartile (000s)				
		Bottom 25%	Second 25%	Third 25%	Top 25%	Overall average		Bottom 25%	Second 25%	Third 25%	Top 25%	Overall average
Bulk Carriers	3	14,873	47,034	52,675	-	38,194	8	17,662	39,260	44,588	47,048	37,140
Combination Carriers	-	-	-	-	-	-	-	-	-	-	-	-
Containerships	-	-	-	-	-	-	-	-	-	-	-	-
Freight Barges	-	-	-	-	-	-	-	-	-	-	-	-
General Cargo Vessels	3	16,957	19,333	34,507	-	23,599	3	38,715	40,235	45,603	-	41,518
Passenger Vessels	1	7,700	-	-	-	7,700	4	218	-	-	-	218
Refrigerated Cargo Vessels	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Vessels	-	-	-	-	-	-	-	-	-	-	-	-
Tank Barges	10	2,164	6,187	7,415	16,275	7,243	23	3,627	4,621	6,326	13,876	6,818
Tankers	1	33,288	-	-	-	33,288	2	19,228	-	47,358	-	33,293
Towing Vessels	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	-	-	-	-	-	-	-	-	-	-	-
Total all vessel types	18	4,175	7,510	16,743	41,876	16,600	40	2,263	5,474	15,492	43,370	16,149

a/ Includes fishing vessels, industrial vessels, research vessels, school ships.

Source: Prepared by Nathan Associates based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports, 2002-2003.

Table D-12. Restricted Period Vessel Arrivals by ANPR Port Area and Average Vessel DWT by Quartile, 2002-2003

ANPR port area: New Haven, CT

Vessel Type	2002						2003					
	Restricted period vessel arrivals	Average vessel DWT by quartile (000s)					Restricted period vessel arrivals	Average vessel DWT by quartile (000s)				
		Bottom 25%	Second 25%	Third 25%	Top 25%	Overall average		Bottom 25%	Second 25%	Third 25%	Top 25%	Overall average
Bulk Carriers	28	19,634	30,922	44,264	53,072	36,659	27	24,344	30,146	44,629	58,713	38,530
Combination Carriers	-	-	-	-	-	-	-	-	-	-	-	-
Containerships	1	29,519	-	-	-	29,519	-	-	-	-	-	-
Freight Barges	-	-	-	-	-	-	2	1,182	-	16,537	-	8,859
General Cargo Vessels	11	7,976	21,079	29,516	46,312	23,627	12	14,602	14,883	22,150	43,814	23,862
Passenger Vessels	-	-	-	-	-	-	4	199	218	-	-	213
Refrigerated Cargo Vessels	1	13,613	-	-	-	13,613	-	-	-	-	-	-
Ro-Ro Cargo Vessels	1	15,092	-	-	-	15,092	-	-	-	-	-	-
Tank Barges	37	5,599	8,083	11,399	19,012	10,743	75	3,391	6,794	11,370	19,536	10,088
Tankers	41	7,868	35,061	42,604	46,745	32,354	77	4,916	34,891	41,412	49,381	31,979
Towing Vessels	6	105	-	-	-	105	5	117	846	-	-	555
Other a/	-	-	-	-	-	-	1	8,841	-	-	-	8,841
Total all vessel types	126	4,448	14,643	32,366	46,933	24,359	203	2,897	11,489	29,509	47,096	22,541

a/ Includes fishing vessels, industrial vessels, research vessels, school ships.

Source: Prepared by Nathan Associates based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports, 2002-2003.

Table D-13. Restricted Period Vessel Arrivals by ANPR Port Area and Average Vessel DWT by Quartile, 2002-2003

ANPR port area: Bridgeport, CT

Vessel Type	2002						2003					
	Restricted period vessel arrivals	Average vessel DWT by quartile (000s)					Restricted period vessel arrivals	Average vessel DWT by quartile (000s)				
		Bottom 25%	Second 25%	Third 25%	Top 25%	Overall average		Bottom 25%	Second 25%	Third 25%	Top 25%	Overall average
Bulk Carriers	2	57,991	-	71,717	-	64,854	14	49,463	69,578	72,219	75,174	64,137
Combination Carriers	-	-	-	-	-	-	-	-	-	-	-	-
Containerships	-	-	-	-	-	-	-	-	-	-	-	-
Freight Barges	-	-	-	-	-	-	3	1,182	-	-	-	1,182
General Cargo Vessels	2	7,118	-	8,258	-	7,688	1	7,051	-	-	-	7,051
Passenger Vessels	-	-	-	-	-	-	1	199	-	-	-	199
Refrigerated Cargo Vessels	20	13,297	-	13,613	-	13,439	19	10,713	11,021	13,584	13,613	12,091
Ro-Ro Cargo Vessels	3	4,605	-	18,293	-	9,168	-	-	-	-	-	-
Tank Barges	29	4,627	7,285	12,839	19,407	10,727	58	3,100	6,556	11,345	18,646	9,468
Tankers	8	2,651	-	33,288	37,544	15,204	18	2,396	-	-	70,783	17,593
Towing Vessels	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	-	-	-	-	-	-	-	-	-	-	-
Total all vessel types	64	4,007	10,742	13,613	28,643	13,657	114	2,403	8,077	13,648	49,080	17,581

a/ Includes fishing vessels, industrial vessels, research vessels, school ships.

Source: Prepared by Nathan Associates based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports, 2002-2003.

Table D-14. Restricted Period Vessel Arrivals by ANPR Port Area and Average Vessel DWT by Quartile, 2002-2003

ANPR port area: Long Island, NY

Vessel Type	2002						2003					
	Restricted period vessel arrivals	Average vessel DWT by quartile (000s)					Restricted period vessel arrivals	Average vessel DWT by quartile (000s)				
		Bottom 25%	Second 25%	Third 25%	Top 25%	Overall average		Bottom 25%	Second 25%	Third 25%	Top 25%	Overall average
Bulk Carriers	-	-	-	-	-	-	-	-	-	-	-	-
Combination Carriers	-	-	-	-	-	-	-	-	-	-	-	-
Containerships	-	-	-	-	-	-	-	-	-	-	-	-
Freight Barges	1	1,182	-	-	-	1,182	2	1,182	-	-	-	1,182
General Cargo Vessels	-	-	-	-	-	-	-	-	-	-	-	-
Passenger Vessels	7	154	218	281	-	218	13	199	259	281	-	251
Refrigerated Cargo Vessels	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Vessels	-	-	-	-	-	-	-	-	-	-	-	-
Tank Barges	64	2,901	7,060	9,848	19,981	9,774	175	2,846	5,713	8,694	21,083	9,436
Tankers	36	1,378	36,793	79,608	144,305	61,927	94	774	7,245	61,342	126,260	47,168
Towing Vessels	-	-	-	-	-	-	3	75	118	-	-	104
Other a/	-	-	-	-	-	-	-	-	-	-	-	-
Total all vessel types	108	1,466	6,684	16,901	93,457	26,459	287	1,291	4,498	12,440	73,556	21,223

a/ Includes fishing vessels, industrial vessels, research vessels, school ships.

Source: Prepared by Nathan Associates based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports, 2002-2003.

Table D-15. Restricted Period Vessel Arrivals by ANPR Port Area and Average Vessel DWT by Quartile, 2002-2003

ANPR port area: New York City, NY

Vessel Type	2002						2003					
	Restricted period vessel arrivals	Average vessel DWT by quartile (000s)					Restricted period vessel arrivals	Average vessel DWT by quartile (000s)				
		Bottom 25%	Second 25%	Third 25%	Top 25%	Overall average		Bottom 25%	Second 25%	Third 25%	Top 25%	Overall average
Bulk Carriers	146	14,951	32,871	41,628	56,888	36,351	171	17,207	35,084	43,122	57,136	38,026
Combination Carriers	17	55,367	75,067	76,562	87,214	70,697	16	49,871	74,898	76,059	90,955	71,309
Containerships	981	19,672	36,959	48,811	61,698	41,527	1,006	21,195	38,549	51,420	62,988	43,315
Freight Barges	-	-	-	-	-	-	-	-	-	-	-	-
General Cargo Vessels	61	7,057	18,563	33,425	43,172	24,932	26	4,590	8,727	24,982	36,522	18,404
Passenger Vessels	84	2,680	5,110	7,626	10,284	6,246	87	3,016	5,998	9,619	12,093	7,475
Refrigerated Cargo Vessels	10	11,131	13,584	13,613	14,173	12,916	6	10,713	12,320	26,863	53,409	23,480
Ro-Ro Cargo Vessels	308	10,147	15,072	21,004	44,147	22,561	309	10,484	15,815	22,049	47,016	23,434
Tank Barges	1	28,995	-	-	-	28,995	15	5,242	8,188	8,793	11,230	7,929
Tankers	577	16,935	38,448	49,607	92,394	49,270	719	18,278	40,290	51,456	92,469	50,451
Towing Vessels	7	148	-	837	-	444	11	144	773	-	-	601
Other a/	7	2,520	4,819	5,278	-	4,030	1	919	-	-	-	919
Total all vessel types	2,199	11,398	30,054	44,454	68,509	38,590	2,367	11,858	32,892	46,533	71,219	40,613

a/ Includes fishing vessels, industrial vessels, research vessels, school ships.

Source: Prepared by Nathan Associates based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports, 2002-2003.

Table D-16. Restricted Period Vessel Arrivals by ANPR Port Area and Average Vessel DWT by Quartile, 2002-2003

ANPR port area: Philadelphia, PA

Vessel Type	2002						2003					
	Restricted period vessel arrivals	Average vessel DWT by quartile (000s)					Restricted period vessel arrivals	Average vessel DWT by quartile (000s)				
		Bottom 25%	Second 25%	Third 25%	Top 25%	Overall average		Bottom 25%	Second 25%	Third 25%	Top 25%	Overall average
Bulk Carriers	218	10,905	25,388	37,441	54,912	32,088	172	14,398	28,264	38,139	50,016	32,566
Combination Carriers	17	94,954	-	98,595	149,999	99,049	6	98,595	-	-	-	98,595
Containerships	243	5,222	14,827	20,432	39,998	19,855	247	5,201	14,326	24,028	48,684	22,771
Freight Barges	13	8,157	16,056	-	16,634	13,062	3	9,887	16,537	-	-	14,320
General Cargo Vessels	147	6,754	10,215	14,793	30,711	15,492	110	6,473	9,986	14,347	28,134	14,545
Passenger Vessels	5	2,669	4,979	8,572	21,428	8,063	16	2,967	5,004	5,555	9,786	5,574
Refrigerated Cargo Vessels	158	6,682	9,842	13,982	29,636	14,461	227	7,937	10,274	12,117	25,548	13,779
Ro-Ro Cargo Vessels	82	7,340	14,206	17,281	20,813	14,677	74	8,764	14,687	17,285	19,800	15,009
Tank Barges	9	13,693	32,671	47,247	54,586	33,638	10	6,525	12,735	17,779	19,500	13,738
Tankers	463	21,503	58,276	104,158	166,216	87,170	437	28,211	71,545	112,186	172,204	95,744
Towing Vessels	13	152	479	836	1,548	573	7	134	707	-	-	544
Other a/	-	-	-	-	-	-	1	816	-	-	-	816
Total all vessel types	1,368	7,658	17,118	36,465	115,123	43,969	1,310	7,656	16,532	38,275	120,711	45,626

a/ Includes fishing vessels, industrial vessels, research vessels, school ships.

Source: Prepared by Nathan Associates based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports, 2002-2003.

Table D-17. Restricted Period Vessel Arrivals by ANPR Port Area and Average Vessel DWT by Quartile, 2002-2003

ANPR port area: Hampton Roads, VA

Vessel Type	2002						2003					
	Restricted period vessel arrivals	Average vessel DWT by quartile (000s)					Restricted period vessel arrivals	Average vessel DWT by quartile (000s)				
		Bottom 25%	Second 25%	Third 25%	Top 25%	Overall average		Bottom 25%	Second 25%	Third 25%	Top 25%	Overall average
Bulk Carriers	139	11,490	32,212	49,045	89,452	44,871	137	12,433	34,581	60,799	86,237	48,249
Combination Carriers	5	75,576	82,460	83,155	96,027	82,559	8	74,868	77,598	-	96,477	81,635
Containerships	695	22,102	39,809	50,476	62,023	43,355	700	21,905	39,416	51,321	62,494	43,626
Freight Barges	-	-	-	-	-	-	1	8,210	-	-	-	8,210
General Cargo Vessels	78	5,142	10,783	26,834	38,820	20,076	57	5,948	12,638	24,279	33,584	18,881
Passenger Vessels	3	780	6,911	7,202	-	4,964	4	371	6,653	11,778	14,406	8,302
Refrigerated Cargo Vessels	3	7,070	27,904	-	-	20,959	1	12,206	-	-	-	12,206
Ro-Ro Cargo Vessels	79	11,931	24,109	43,998	52,486	32,779	62	14,085	22,774	40,186	52,408	32,195
Tank Barges	-	-	-	-	-	-	4	14,877	-	-	-	14,877
Tankers	87	14,972	39,911	71,427	105,233	57,342	107	17,334	40,784	62,480	110,496	56,672
Towing Vessels	-	-	-	-	-	-	1	1,852	-	-	-	1,852
Other a/	4	567	775	793	2,865	1,250	4	775	2,589	2,795	31,450	9,402
Total all vessel types	1,093	15,200	35,019	48,565	69,834	42,094	1,086	15,960	36,030	50,208	71,586	43,361

a/ Includes fishing vessels, industrial vessels, research vessels, school ships.

Source: Prepared by Nathan Associates based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports, 2002-2003.

Table D-18. Restricted Period Vessel Arrivals by ANPR Port Area and Average Vessel DWT by Quartile, 2002-2003

ANPR port area: Baltimore, MD

Vessel Type	2002						2003					
	Restricted period vessel arrivals	Average vessel DWT by quartile (000s)					Restricted period vessel arrivals	Average vessel DWT by quartile (000s)				
		Bottom 25%	Second 25%	Third 25%	Top 25%	Overall average		Bottom 25%	Second 25%	Third 25%	Top 25%	Overall average
Bulk Carriers	137	11,215	29,149	63,739	91,332	47,990	148	14,958	37,056	59,781	76,995	46,890
Combination Carriers	3	47,906	75,590	82,460	-	68,652	3	38,633	76,324	-	-	63,760
Containerships	176	24,270	32,849	42,801	52,434	37,815	159	21,601	33,544	43,340	52,462	37,357
Freight Barges	-	-	-	-	-	-	-	-	-	-	-	-
General Cargo Vessels	99	7,714	17,113	22,242	40,530	21,608	83	7,464	16,760	21,441	36,121	20,258
Passenger Vessels	10	7,833	-	-	-	7,833	12	7,932	8,622	-	-	8,450
Refrigerated Cargo Vessels	6	7,070	-	11,487	12,266	9,408	3	12,266	-	-	-	12,266
Ro-Ro Cargo Vessels	276	12,532	15,891	20,831	40,298	22,388	320	12,289	15,229	19,409	38,936	21,283
Tank Barges	2	1,451	-	-	-	1,451	2	5,794	-	14,877	-	10,335
Tankers	69	11,386	30,497	45,592	65,253	37,509	89	20,221	45,821	58,785	107,354	57,333
Towing Vessels	8	125	152	846	-	406	4	146	846	-	-	671
Other a/	6	5,278	8,264	8,339	-	7,306	7	8,264	8,339	8,969	31,450	11,709
Total all vessel types	792	10,289	19,336	33,908	60,488	30,968	830	11,044	19,188	35,874	63,781	32,420

a/ Includes fishing vessels, industrial vessels, research vessels, school ships.

Source: Prepared by Nathan Associates based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports, 2002-2003.

Table D-19. Restricted Period Vessel Arrivals by ANPR Port Area and Average Vessel DWT by Quartile, 2002-2003

ANPR port area: Morehead City, NC

Vessel Type	2002						2003					
	Restricted period vessel arrivals	Average vessel DWT by quartile (000s)					Restricted period vessel arrivals	Average vessel DWT by quartile (000s)				
		Bottom 25%	Second 25%	Third 25%	Top 25%	Overall average		Bottom 25%	Second 25%	Third 25%	Top 25%	Overall average
Bulk Carriers	7	6,569	23,158	27,649	48,093	23,264	10	11,252	23,158	27,266	50,337	26,254
Combination Carriers	-	-	-	-	-	-	-	-	-	-	-	-
Containerships	1	41,600	-	-	-	41,600	6	3,188	22,778	37,510	-	23,614
Freight Barges	-	-	-	-	-	-	-	-	-	-	-	-
General Cargo Vessels	5	7,020	14,883	15,985	25,317	14,045	15	2,739	7,960	23,539	30,005	15,131
Passenger Vessels	-	-	-	-	-	-	-	-	-	-	-	-
Refrigerated Cargo Vessels	-	-	-	-	-	-	1	4,934	-	-	-	4,934
Ro-Ro Cargo Vessels	1	16,157	-	-	-	16,157	2	13,651	-	16,157	-	14,904
Tank Barges	-	-	-	-	-	-	-	-	-	-	-	-
Tankers	3	12,467	28,217	-	-	22,967	15	22,736	28,185	30,824	45,207	30,488
Towing Vessels	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	-	-	-	-	-	2	500	-	2,589	-	1,545
Total all vessel types	17	7,929	18,668	27,051	39,512	21,160	51	3,718	18,866	27,561	39,538	22,085

a/ Includes fishing vessels, industrial vessels, research vessels, school ships.

Source: Prepared by Nathan Associates based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports, 2002-2003.

Table D-20. Restricted Period Vessel Arrivals by ANPR Port Area and Average Vessel DWT by Quartile, 2002-2003

ANPR port area: Wilmington, NC

Vessel Type	2002						2003					
	Restricted period vessel arrivals	Average vessel DWT by quartile (000s)					Restricted period vessel arrivals	Average vessel DWT by quartile (000s)				
		Bottom 25%	Second 25%	Third 25%	Top 25%	Overall average		Bottom 25%	Second 25%	Third 25%	Top 25%	Overall average
Bulk Carriers	64	9,657	24,100	30,173	43,662	26,898	52	9,030	25,582	37,073	49,461	29,968
Combination Carriers	4	9,587	46,785	-	75,466	44,656	3	46,785	-	74,928	-	56,166
Containerships	43	30,252	42,343	54,614	62,747	46,567	39	16,781	40,209	48,376	56,358	39,404
Freight Barges	-	-	-	-	-	-	-	-	-	-	-	-
General Cargo Vessels	62	3,236	12,428	28,112	43,962	21,732	51	4,068	14,855	32,734	44,689	23,682
Passenger Vessels	-	-	-	-	-	-	-	-	-	-	-	-
Refrigerated Cargo Vessels	-	-	-	-	-	-	1	9,340	-	-	-	9,340
Ro-Ro Cargo Vessels	13	8,977	29,591	42,600	-	28,251	10	14,841	39,122	42,600	51,294	34,098
Tank Barges	10	8,030	-	14,078	19,500	12,138	11	9,050	19,500	-	24,654	16,169
Tankers	112	8,994	22,624	38,009	52,361	30,119	106	9,812	26,848	40,953	51,634	32,080
Towing Vessels	1	137	-	-	-	137	1	820	-	-	-	820
Other a/	1	133	-	-	-	133	-	-	-	-	-	-
Total all vessel types	310	7,567	22,044	37,708	51,599	29,394	274	7,973	24,118	39,968	50,778	30,660

a/ Includes fishing vessels, industrial vessels, research vessels, school ships.

Source: Prepared by Nathan Associates based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports, 2002-2003.

Table D-21. Restricted Period Vessel Arrivals by ANPR Port Area and Average Vessel DWT by Quartile, 2002-2003

ANPR port area: Georgetown, SC

Vessel Type	2002						2003					
	Restricted period vessel arrivals	Average vessel DWT by quartile (000s)					Restricted period vessel arrivals	Average vessel DWT by quartile (000s)				
		Bottom 25%	Second 25%	Third 25%	Top 25%	Overall average		Bottom 25%	Second 25%	Third 25%	Top 25%	Overall average
Bulk Carriers	19	11,171	16,400	31,829	49,941	25,320	-	-	-	-	-	-
Combination Carriers	-	-	-	-	-	-	-	-	-	-	-	-
Containerships	2	47,359	-	58,869	-	53,114	-	-	-	-	-	-
Freight Barges	-	-	-	-	-	-	-	-	-	-	-	-
General Cargo Vessels	5	8,214	44,389	-	44,946	30,030	-	-	-	-	-	-
Passenger Vessels	-	-	-	-	-	-	-	-	-	-	-	-
Refrigerated Cargo Vessels	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Vessels	1	17,510	-	-	-	17,510	-	-	-	-	-	-
Tank Barges	-	-	-	-	-	-	-	-	-	-	-	-
Tankers	-	-	-	-	-	-	-	-	-	-	-	-
Towing Vessels	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	-	-	-	-	-	-	-	-	-	-	-
Total all vessel types	27	10,579	21,514	39,061	51,205	27,962	-	-	-	-	-	-

a/ Includes fishing vessels, industrial vessels, research vessels, school ships.

Source: Prepared by Nathan Associates based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports, 2002-2003.

Table D-22. Restricted Period Vessel Arrivals by ANPR Port Area and Average Vessel DWT by Quartile, 2002-2003

ANPR port area: Charleston, SC

Vessel Type	2002						2003					
	Restricted period vessel arrivals	Average vessel DWT by quartile (000s)					Restricted period vessel arrivals	Average vessel DWT by quartile (000s)				
		Bottom 25%	Second 25%	Third 25%	Top 25%	Overall average		Bottom 25%	Second 25%	Third 25%	Top 25%	Overall average
Bulk Carriers	113	14,510	35,438	43,606	62,258	38,665	107	14,362	27,995	40,177	59,567	34,684
Combination Carriers	-	-	-	-	-	-	-	-	-	-	-	-
Containerships	922	26,574	40,147	50,772	60,445	44,378	908	28,239	40,776	52,850	62,061	45,139
Freight Barges	1	14,515	-	-	-	14,515	-	-	-	-	-	-
General Cargo Vessels	93	9,589	25,922	39,461	42,440	28,963	62	10,780	27,956	40,210	46,799	30,224
Passenger Vessels	23	1,166	5,720	8,622	20,259	6,806	29	2,159	7,085	8,622	10,774	6,510
Refrigerated Cargo Vessels	4	8,399	8,488	11,720	15,710	11,079	3	6,489	6,715	12,206	-	8,470
Ro-Ro Cargo Vessels	139	12,192	16,024	22,913	34,143	21,062	142	12,572	16,888	20,532	34,989	21,001
Tank Barges	21	21,546	-	24,654	30,352	23,149	17	16,877	24,470	-	32,024	21,788
Tankers	99	28,134	41,151	46,509	54,447	42,280	121	30,546	42,233	46,461	58,096	43,738
Towing Vessels	14	173	-	213	874	287	13	149	171	213	820	230
Other a/	5	507	-	1,160	5,057	1,548	2	567	-	1,522	-	1,045
Total all vessel types	1,434	16,308	34,918	45,724	59,400	38,916	1,404	16,534	35,662	45,792	60,229	39,484

a/ Includes fishing vessels, industrial vessels, research vessels, school ships.

Source: Prepared by Nathan Associates based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports, 2002-2003.

Table D-23. Restricted Period Vessel Arrivals by ANPR Port Area and Average Vessel DWT by Quartile, 2002-2003

ANPR port area: Savannah, GA

Vessel Type	2002						2003					
	Restricted period vessel arrivals	Average vessel DWT by quartile (000s)					Restricted period vessel arrivals	Average vessel DWT by quartile (000s)				
		Bottom 25%	Second 25%	Third 25%	Top 25%	Overall average		Bottom 25%	Second 25%	Third 25%	Top 25%	Overall average
Bulk Carriers	134	9,146	20,663	30,155	45,796	26,253	148	9,718	21,802	30,337	44,096	26,325
Combination Carriers	6	9,277	38,633	46,785	-	31,565	7	38,633	46,785	-	-	44,456
Containerships	592	21,328	39,665	48,906	63,156	43,028	697	23,432	42,751	53,761	64,274	45,960
Freight Barges	-	-	-	-	-	-	-	-	-	-	-	-
General Cargo Vessels	142	6,098	18,098	34,874	45,351	25,879	125	4,847	11,185	22,621	44,894	20,373
Passenger Vessels	2	780	-	24,186	-	12,483	3	17	780	1,023	-	607
Refrigerated Cargo Vessels	4	27,904	-	-	53,328	34,260	5	53,328	53,409	-	-	53,377
Ro-Ro Cargo Vessels	97	11,431	21,822	33,194	43,100	27,018	82	7,976	18,825	29,740	42,078	24,212
Tank Barges	7	7,743	14,078	19,500	45,314	17,374	4	5,129	9,050	-	19,500	10,682
Tankers	156	14,035	29,804	40,093	59,135	35,701	153	15,983	34,725	41,184	58,890	37,438
Towing Vessels	10	139	150	568	-	355	2	150	-	846	-	498
Other a/	1	11,957	-	-	-	11,957	2	2,589	-	2,865	-	2,727
Total all vessel types	1,151	12,436	29,781	43,406	58,350	35,920	1,228	12,516	32,980	46,017	61,724	38,127

a/ Includes fishing vessels, industrial vessels, research vessels, school ships.

Source: Prepared by Nathan Associates based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports, 2002-2003.

Table D-24. Restricted Period Vessel Arrivals by ANPR Port Area and Average Vessel DWT by Quartile, 2002-2003

ANPR port area: Brunswick, GA

Vessel Type	2002						2003					
	Restricted period vessel arrivals	Average vessel DWT by quartile (000s)					Restricted period vessel arrivals	Average vessel DWT by quartile (000s)				
		Bottom 25%	Second 25%	Third 25%	Top 25%	Overall average		Bottom 25%	Second 25%	Third 25%	Top 25%	Overall average
Bulk Carriers	47	3,091	11,940	25,760	49,244	20,687	42	3,091	8,621	25,104	46,515	19,722
Combination Carriers	-	-	-	-	-	-	-	-	-	-	-	-
Containerships	10	13,631	35,686	40,850	41,749	31,315	13	30,874	40,850	41,749	-	37,290
Freight Barges	-	-	-	-	-	-	-	-	-	-	-	-
General Cargo Vessels	34	11,268	26,657	39,684	41,945	29,176	25	8,043	22,807	40,061	42,560	26,273
Passenger Vessels	-	-	-	-	-	-	1	17	-	-	-	17
Refrigerated Cargo Vessels	4	10,447	15,200	-	-	14,012	6	9,989	10,140	-	10,447	10,141
Ro-Ro Cargo Vessels	151	12,721	15,231	18,189	26,437	17,982	143	12,910	14,865	18,351	28,252	17,991
Tank Barges	-	-	-	-	-	-	-	-	-	-	-	-
Tankers	2	8,799	-	32,093	-	20,446	4	25,380	31,990	-	-	30,337
Towing Vessels	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	-	-	-	-	-	-	-	-	-	-	-
Total all vessel types	248	9,051	15,354	21,521	37,390	20,523	234	8,497	14,736	20,326	37,620	20,191

a/ Includes fishing vessels, industrial vessels, research vessels, school ships.

Source: Prepared by Nathan Associates based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports, 2002-2003.

Table D-25. Restricted Period Vessel Arrivals by ANPR Port Area and Average Vessel DWT by Quartile, 2002-2003

ANPR port area: Fernandina, FL

Vessel Type	2002						2003					
	Restricted period vessel arrivals	Average vessel DWT by quartile (000s)					Restricted period vessel arrivals	Average vessel DWT by quartile (000s)				
		Bottom 25%	Second 25%	Third 25%	Top 25%	Overall average		Bottom 25%	Second 25%	Third 25%	Top 25%	Overall average
Bulk Carriers	3	14,828	16,883	57,245	-	29,652	3	38,695	50,655	-	-	46,668
Combination Carriers	-	-	-	-	-	-	-	-	-	-	-	-
Containerships	42	4,151	6,592	8,329	9,197	6,506	40	4,860	-	7,484	17,755	7,390
Freight Barges	3	4,025	-	-	-	4,025	1	4,025	-	-	-	4,025
General Cargo Vessels	39	3,197	8,946	9,405	39,282	13,263	34	3,062	6,464	12,030	43,212	15,083
Passenger Vessels	-	-	-	-	-	-	1	17	-	-	-	17
Refrigerated Cargo Vessels	8	13,304	-	-	13,613	13,342	12	12,764	-	13,613	-	13,118
Ro-Ro Cargo Vessels	-	-	-	-	-	-	-	-	-	-	-	-
Tank Barges	-	-	-	-	-	-	-	-	-	-	-	-
Tankers	-	-	-	-	-	-	-	-	-	-	-	-
Towing Vessels	-	-	-	-	-	-	7	98	134	-	-	123
Other a/	1	8,267	-	-	-	8,267	-	-	-	-	-	-
Total all vessel types	96	3,458	5,943	8,901	25,902	10,485	98	2,080	5,621	10,507	32,423	11,334

a/ Includes fishing vessels, industrial vessels, research vessels, school ships.

Source: Prepared by Nathan Associates based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports, 2002-2003.

Table D-26. Restricted Period Vessel Arrivals by ANPR Port Area and Average Vessel DWT by Quartile, 2002-2003

ANPR port area: Jacksonville, FL

Vessel Type	2002						2003					
	Restricted period vessel arrivals	Average vessel DWT by quartile (000s)					Restricted period vessel arrivals	Average vessel DWT by quartile (000s)				
		Bottom 25%	Second 25%	Third 25%	Top 25%	Overall average		Bottom 25%	Second 25%	Third 25%	Top 25%	Overall average
Bulk Carriers	63	14,815	30,784	41,616	66,109	37,465	64	18,834	39,107	46,050	63,353	40,560
Combination Carriers	2	41,712	-	47,906	-	44,809	-	-	-	-	-	-
Containerships	189	5,985	16,969	22,010	40,048	20,498	167	6,355	17,171	26,080	43,084	21,765
Freight Barges	54	5,592	12,578	13,943	20,104	12,907	62	11,148	13,169	16,532	16,634	13,497
General Cargo Vessels	124	4,219	5,461	15,646	42,724	16,205	89	4,101	5,742	12,472	40,144	14,725
Passenger Vessels	3	17	695	-	-	469	8	120	-	-	6,313	1,668
Refrigerated Cargo Vessels	2	5,418	-	-	-	5,418	3	9,583	-	10,085	-	9,750
Ro-Ro Cargo Vessels	184	11,910	15,086	17,221	24,143	16,989	189	11,031	14,711	16,886	22,005	16,050
Tank Barges	8	9,050	14,325	25,275	30,368	19,754	7	19,500	-	30,077	30,933	24,155
Tankers	83	20,573	39,783	46,211	51,309	39,326	103	21,593	39,306	45,279	55,539	40,011
Towing Vessels	64	122	151	-	757	267	110	149	-	-	287	162
Other a/	2	1,522	-	5,155	-	3,339	4	659	-	-	-	659
Total all vessel types	778	3,166	12,918	20,790	43,776	20,070	806	1,459	12,095	20,280	44,990	19,559

a/ Includes fishing vessels, industrial vessels, research vessels, school ships.

Source: Prepared by Nathan Associates based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports, 2002-2003.

Table D-27. Restricted Period Vessel Arrivals by ANPR Port Area and Average Vessel DWT by Quartile, 2002-2003

ANPR port area: Port Canaveral, FL

Vessel Type	2002						2003					
	Restricted period vessel arrivals	Average vessel DWT by quartile (000s)					Restricted period vessel arrivals	Average vessel DWT by quartile (000s)				
		Bottom 25%	Second 25%	Third 25%	Top 25%	Overall average		Bottom 25%	Second 25%	Third 25%	Top 25%	Overall average
Bulk Carriers	-	-	-	-	-	-	-	-	-	-	-	-
Combination Carriers	-	-	-	-	-	-	-	-	-	-	-	-
Containerships	-	-	-	-	-	-	-	-	-	-	-	-
Freight Barges	-	-	-	-	-	-	-	-	-	-	-	-
General Cargo Vessels	-	-	-	-	-	-	-	-	-	-	-	-
Passenger Vessels	-	-	-	-	-	-	-	-	-	-	-	-
Refrigerated Cargo Vessels	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Vessels	-	-	-	-	-	-	-	-	-	-	-	-
Tank Barges	-	-	-	-	-	-	-	-	-	-	-	-
Tankers	-	-	-	-	-	-	-	-	-	-	-	-
Towing Vessels	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	-	-	-	-	-	-	-	-	-	-	-
Total all vessel types	-	-	-	-	-	-	-	-	-	-	-	-

a/ Includes fishing vessels, industrial vessels, research vessels, school ships.

Source: Prepared by Nathan Associates based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports, 2002-2003.

Appendix E

U.S. AND FOREIGN FLAG
VESSEL ARRIVALS BY PORT
AREA, VESSEL TYPE AND
SIZE

Table E-1. Arrivals of U.S. Flag Vessels 150 GRT and Above by ANPR Port Area and Vessel DWT, 2002 and 2003
ANPR Port Area: Total East Coast

Year and period	DWT (000s)																	Total	
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+	
2002 Restricted period arrivals																			
Bulk Carrier	7	-	-	-	-	-	4	16	-	7	-	-	-	-	-	-	-	-	34
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	6	-	-	39	64	6	58	27	82	27	105	22	-	-	-	-	-	-	436
Freight Barge	14	11	23	21	2	-	-	-	-	-	1	-	-	-	-	-	-	-	72
General Dry Cargo Ship	1	-	1	1	12	3	-	1	1	-	-	-	-	-	-	-	-	-	20
Passenger Ship	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	1	-	4	92	20	19	2	-	-	-	-	-	-	-	-	-	-	-	138
Tank Barge	29	68	26	26	30	5	3	-	-	4	1	-	-	-	-	-	-	-	192
Tank Ship	74	-	-	12	-	-	28	69	37	25	1	-	-	-	-	-	-	-	246
Towing Vessel	120	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	120
Other a/	10	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13
Total	280	82	54	191	128	33	95	113	120	63	108	22	-	-	-	-	-	-	1,289
2002 Total arrivals																			
Bulk Carrier	15	6	-	-	-	-	12	53	-	12	-	-	-	-	2	-	-	-	100
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	16	-	-	94	158	31	117	57	155	61	201	50	-	-	-	-	-	-	940
Freight Barge	46	29	94	88	11	-	1	-	-	-	8	-	-	-	-	-	-	-	277
General Dry Cargo Ship	9	4	2	1	14	6	-	1	1	-	-	-	-	-	-	-	-	-	38
Passenger Ship	70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	70
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	4	4	14	238	60	38	2	-	-	-	-	-	-	-	-	-	-	-	360
Tank Barge	103	286	119	113	71	13	11	-	-	15	1	-	-	-	-	-	-	-	732
Tank Ship	199	-	-	53	-	-	62	188	74	85	1	-	-	-	-	-	-	-	662
Towing Vessel	413	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	413
Other a/	27	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	33
Total	902	335	229	587	314	88	205	299	230	173	211	50	-	-	2	-	-	-	3,625
2003 Restricted period arrivals																			
Bulk Carrier	6	1	-	-	-	-	-	11	-	3	-	1	-	-	-	-	-	-	22
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	7	-	-	20	29	24	61	23	79	32	88	38	-	-	-	-	-	-	401
Freight Barge	9	9	30	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	73
General Dry Cargo Ship	-	-	1	-	1	7	2	-	-	-	-	-	-	-	-	-	-	-	11
Passenger Ship	35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	35
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	1	2	3	72	31	10	3	-	-	-	-	-	-	-	-	-	-	-	122
Tank Barge	102	150	36	61	43	1	3	-	-	-	-	-	-	-	-	-	-	-	396
Tank Ship	140	-	-	17	-	-	37	66	32	34	-	-	-	-	-	-	-	-	326
Towing Vessel	161	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	161
Other a/	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11
Total	472	162	70	195	104	42	106	100	111	69	88	39	-	-	-	-	-	-	1,558
2003 Total arrivals																			
Bulk Carrier	13	4	-	-	-	4	15	33	-	5	-	3	-	-	1	-	-	-	78
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	16	-	-	65	91	71	149	50	153	62	171	85	-	-	-	-	-	-	913
Freight Barge	33	18	107	89	1	-	1	-	-	-	1	-	-	-	-	-	-	-	250
General Dry Cargo Ship	5	2	6	3	4	21	7	-	-	-	-	-	-	-	-	-	-	-	48
Passenger Ship	99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	99
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	5	9	9	185	71	23	7	-	-	-	-	-	-	-	-	-	-	-	309
Tank Barge	314	472	147	193	102	3	4	-	-	2	-	-	-	-	-	-	-	-	1,237
Tank Ship	335	-	-	40	-	-	97	170	99	106	13	-	-	-	-	-	1	-	861
Towing Vessel	441	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	441
Other a/	32	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	36
Total	1,293	509	269	575	269	122	280	253	252	175	185	88	-	-	1	-	1	-	4,272

a/ Other includes fishing vessels, industrial vessels, research vessels, school ships.

Source: Prepared by Nathan Associates based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports, 2002-2003.

Table E-2. Arrivals of Foreign Flag Vessels 150 GRT and Above by ANPR Port Area and Vessel DWT, 2002 and 2003
ANPR Port Area: Total East Coast

Year and period	DWT (000s)																	Total	
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+	
2002 Restricted period arrivals																			
Bulk Carrier	28	96	87	116	64	124	105	108	109	93	45	63	84	4	1	2	8	6	1,143
Combination Carrier (e.g. OBO)	-	3	-	-	-	-	-	2	1	8	3	2	13	6	17	-	1	-	56
Container Ship	102	130	127	156	225	193	398	205	416	441	666	421	-	-	-	-	-	-	3,480
Freight Barge	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
General Dry Cargo Ship	131	184	102	90	65	67	31	68	121	50	-	-	-	-	-	-	-	-	909
Passenger Ship	65	84	6	1	4	-	-	-	-	-	-	-	-	-	-	-	-	-	160
Refrigerated Cargo Ship	6	78	82	24	4	8	26	-	-	-	2	-	-	-	-	-	-	-	230
Ro-Ro Cargo Ship	44	23	401	294	135	111	31	26	65	9	88	-	-	-	-	-	-	-	1,227
Tank Barge	-	6	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	7
Tank Ship	6	32	121	86	45	92	68	149	130	205	61	144	41	34	152	52	91	55	1,564
Towing Vessel	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
Other a/	8	10	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19
Total	393	646	928	767	542	595	660	558	842	806	865	630	138	44	170	54	100	61	8,799
2002 Total arrivals																			
Bulk Carrier	66	245	250	320	165	309	233	326	301	225	112	160	225	10	1	2	20	18	2,988
Combination Carrier (e.g. OBO)	-	6	-	-	-	-	-	8	1	26	11	7	31	13	31	10	2	-	146
Container Ship	245	327	303	349	487	368	880	486	1,069	988	1,558	972	-	-	-	-	-	-	8,032
Freight Barge	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
General Dry Cargo Ship	323	457	290	184	177	117	68	127	268	110	-	-	-	-	-	-	-	-	2,121
Passenger Ship	202	510	195	56	12	-	-	-	-	-	-	-	-	-	-	-	-	-	975
Refrigerated Cargo Ship	7	185	198	46	7	19	51	-	-	-	7	-	-	-	-	-	-	-	520
Ro-Ro Cargo Ship	175	82	985	768	343	256	81	65	153	24	218	1	1	-	-	-	-	-	3,152
Tank Barge	-	13	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	14
Tank Ship	11	101	357	230	108	261	278	592	428	572	158	394	104	63	454	202	207	139	4,659
Towing Vessel	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5
Other a/	31	23	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	55
Total	1,066	1,949	2,580	1,953	1,299	1,330	1,592	1,604	2,220	1,945	2,064	1,534	361	86	486	214	229	157	####
2003 Restricted period arrivals																			
Bulk Carrier	29	71	61	105	54	132	84	129	125	112	54	61	98	9	-	2	3	2	1,131
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	3	-	10	2	-	16	3	8	1	-	-	43
Container Ship	77	172	141	151	160	88	442	295	434	321	793	513	-	9	-	-	-	-	3,596
Freight Barge	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
General Dry Cargo Ship	101	159	97	77	52	31	38	31	69	45	-	-	-	-	-	-	-	-	700
Passenger Ship	43	107	29	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	180
Refrigerated Cargo Ship	4	71	159	22	2	2	23	-	-	-	11	-	-	-	-	-	-	-	294
Ro-Ro Cargo Ship	42	22	395	385	119	84	10	25	86	2	79	-	-	-	-	-	-	-	1,249
Tank Barge	-	-	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5
Tank Ship	7	31	82	63	41	90	57	220	185	285	44	215	64	20	158	71	95	88	1,816
Towing Vessel	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4
Other a/	6	7	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	15
Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2003 Total arrivals																			
Bulk Carrier	66	201	176	252	195	391	202	335	367	299	147	136	237	15	-	2	11	4	3,036
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	17	1	30	11	-	39	18	26	23	-	2	167
Container Ship	186	394	349	321	381	191	1,029	672	1,010	822	1,781	1,156	-	9	-	1	-	-	8,302
Freight Barge	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
General Dry Cargo Ship	273	392	274	176	150	95	83	75	190	127	-	-	-	-	-	-	-	-	1,835
Passenger Ship	233	558	271	36	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,098
Refrigerated Cargo Ship	4	209	294	58	8	7	47	-	-	-	23	-	-	-	-	-	-	-	650
Ro-Ro Cargo Ship	160	96	1,050	916	306	182	16	57	191	20	200	-	1	-	-	-	-	-	3,195
Tank Barge	-	1	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14
Tank Ship	20	96	292	162	110	195	225	591	543	763	140	438	153	49	407	302	216	192	4,894
Towing Vessel	21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21
Other a/	16	21	13	-	-	-	5	-	-	-	-	-	-	-	-	-	-	-	55
Total	981	1,968	2,732	1,921	1,150	1,061	1,607	1,747	2,302	2,061	2,302	1,730	430	91	433	328	227	198	####

a/ Other includes fishing vessels, industrial vessels, research vessels, school ships.

Source: Prepared by Nathan Associates based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports, 2002-2003.

Table E-3. Arrivals of U.S. Flag Vessels 150 GRT and Above by ANPR Port Area and Vessel DWT, 2002 and 2003
ANPR Port Area: Eastport, ME

Year and period	DWT (000s)																		Total
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+	
<u>2002 Restricted period arrivals</u>																			
Bulk Carrier	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Passenger Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<u>2002 Total arrivals</u>																			
Bulk Carrier	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Passenger Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<u>2003 Restricted period arrivals</u>																			
Bulk Carrier	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Passenger Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<u>2003 Total arrivals</u>																			
Bulk Carrier	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Passenger Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

a/ Other includes fishing vessels, industrial vessels, research vessels, school ships.

Source: Prepared by Nathan Associates based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports, 2002-2003.

Table E-4. Arrivals of Foreign Flag Vessels 150 GRT and Above by ANPR Port Area and Vessel DWT, 2002 and 2003
ANPR Port Area: Eastport, ME

Year and period	DWT (000s)																Total		
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+	
<u>2002 Restricted period arrivals</u>																			
Bulk Carrier	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Passenger Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<u>2002 Total arrivals</u>																			
Bulk Carrier	-	-	7	6	2	-	1	-	3	-	-	-	-	-	-	-	-	-	19
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	2	-	-	-	-	-	1	4	-	-	-	-	-	-	-	-	-	7
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	-	1	-	1	-	-	-	1	2	1	-	-	-	-	-	-	-	-	6
Passenger Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	3	7	7	2	-	1	2	9	1	-	-	-	-	-	-	-	-	32
<u>2003 Restricted period arrivals</u>																			
Bulk Carrier	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Passenger Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<u>2003 Total arrivals</u>																			
Bulk Carrier	-	1	6	3	-	-	2	-	3	1	-	-	-	-	-	-	-	-	16
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	1	-	-	-	-	-	1	2	1	-	-	-	-	-	-	-	-	5
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	-	4	5	4	-	-	-	-	4	3	-	-	-	-	-	-	-	-	20
Passenger Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	6	11	7	-	-	2	1	9	5	-	-	-	-	-	-	-	-	41

a/ Other includes fishing vessels, industrial vessels, research vessels, school ships.

Source: Prepared by Nathan Associates based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports, 2002-2003.

Table E-5. Arrivals of U.S. Flag Vessels 150 GRT and Above by ANPR Port Area and Vessel DWT, 2002 and 2003
ANPR Port Area: Searsport, ME

[illegible]

a/ Other includes fishing vessels, industrial vessels, research vessels, school ships.

Source: Prepared by Nathan Associates based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports, 2002-2003.

Table E-6. Arrivals of Foreign Flag Vessels 150 GRT and Above by ANPR Port Area and Vessel DWT, 2002 and 2003
ANPR Port Area: Searsport, ME

Year and period	DWT (000s)																Total		
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+	
<u>2002 Restricted period arrivals</u>																			
Bulk Carrier	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Passenger Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<u>2002 Total arrivals</u>																			
Bulk Carrier	-	12	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	15
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1
Container Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Passenger Ship	20	28	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	54
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Barge	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Tank Ship	-	5	24	-	-	4	30	12	5	1	6	-	-	-	-	-	-	-	87
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	20	47	30	-	-	7	30	12	5	1	7	-	-	-	-	-	-	-	159
<u>2003 Restricted period arrivals</u>																			
Bulk Carrier	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Passenger Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<u>2003 Total arrivals</u>																			
Bulk Carrier	-	6	-	-	1	5	-	1	-	-	1	-	-	-	-	-	-	-	14
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1
Container Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Passenger Ship	8	55	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	66
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Tank Barge	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Tank Ship	-	2	38	-	-	4	19	11	7	2	3	2	-	-	-	1	-	-	89
Towing Vessel	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
Other a/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	12	63	42	-	1	9	19	12	7	2	5	2	-	-	-	1	-	-	175

a/ Other includes fishing vessels, industrial vessels, research vessels, school ships.

Source: Prepared by Nathan Associates based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports, 2002-2003.

Table E-7. Arrivals of U.S. Flag Vessels 150 GRT and Above by ANPR Port Area and Vessel DWT, 2002 and 2003
ANPR Port Area: Portland, ME

Year and period	DWT (000s)																Total		
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+	
<u>2002 Restricted period arrivals</u>																			
Bulk Carrier	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Passenger Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<u>2002 Total arrivals</u>																			
Bulk Carrier	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Freight Barge	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
General Dry Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Passenger Ship	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Tank Barge	4	3	4	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15
Tank Ship	3	-	-	-	-	-	1	12	-	1	-	-	-	-	-	-	-	-	17
Towing Vessel	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Other a/	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Total	9	4	6	4	1	-	1	12	-	1	-	-	-	-	-	-	-	-	38
<u>2003 Restricted period arrivals</u>																			
Bulk Carrier	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Passenger Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<u>2003 Total arrivals</u>																			
Bulk Carrier	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	2
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1
Freight Barge	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
General Dry Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Passenger Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	-	-	2	7	5	-	-	-	-	-	-	-	-	-	-	-	-	-	14
Tank Barge	5	10	5	4	1	-	-	-	-	2	-	-	-	-	-	-	-	-	27
Tank Ship	16	-	-	-	-	-	1	28	2	5	3	-	-	-	-	-	1	-	56
Towing Vessel	29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	29
Other a/	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4
Total	53	12	7	12	6	1	3	28	2	7	3	-	-	-	-	-	1	-	135

a/ Other includes fishing vessels, industrial vessels, research vessels, school ships.

Source: Prepared by Nathan Associates based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports, 2002-2003.

Table E-8. Arrivals of Foreign Flag Vessels 150 GRT and Above by ANPR Port Area and Vessel DWT, 2002 and 2003
ANPR Port Area: Portland, ME

Year and period	DWT (000s)																	Total	
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+	
<u>2002 Restricted period arrivals</u>																			
Bulk Carrier	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Passenger Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<u>2002 Total arrivals</u>																			
Bulk Carrier	2	3	3	17	14	18	10	15	9	12	2	1	1	-	-	-	-	-	107
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	7	-	-	10
Container Ship	-	-	3	2	4	-	5	-	1	11	-	14	-	-	-	-	-	-	40
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	2	8	10	-	1	2	1	2	2	-	-	-	-	-	-	-	-	-	28
Passenger Ship	3	16	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	23
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	24	10	36	16	1	-	-	-	-	-	-	-	-	-	-	-	-	-	87
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Ship	-	4	28	2	1	5	33	22	13	18	5	1	-	-	114	103	6	1	356
Towing Vessel	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
Other a/	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
Total	33	44	84	37	21	25	49	39	25	41	7	16	1	-	117	110	6	1	656
<u>2003 Restricted period arrivals</u>																			
Bulk Carrier	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Passenger Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<u>2003 Total arrivals</u>																			
Bulk Carrier	-	2	7	10	85	68	27	23	31	36	10	9	9	-	-	-	-	-	317
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	1	1	-	-	-	-	-	2	18	-	-	22
Container Ship	-	1	13	10	21	5	29	5	7	48	30	54	-	-	-	-	-	-	223
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	1	14	22	8	7	6	2	5	10	10	-	-	-	-	-	-	-	-	85
Passenger Ship	5	12	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	54	31	81	64	6	4	-	-	4	-	1	-	-	-	-	-	-	-	245
Tank Barge	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
Tank Ship	2	4	45	4	2	9	40	26	37	29	7	2	1	-	67	125	17	15	432
Towing Vessel	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4
Other a/	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4
Total	66	64	178	96	121	92	98	60	90	123	48	65	10	-	69	143	17	15	1,355

a/ Other includes fishing vessels, industrial vessels, research vessels, school ships.

Source: Prepared by Nathan Associates based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports, 2002-2003.

Table E-9. Arrivals of U.S. Flag Vessels 150 GRT and Above by ANPR Port Area and Vessel DWT, 2002 and 2003
ANPR Port Area: Portsmouth, NH

Year and period	DWT (000s)																	Total	
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+	
<u>2002 Restricted period arrivals</u>																			
Bulk Carrier	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Passenger Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<u>2002 Total arrivals</u>																			
Bulk Carrier	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Freight Barge	1	-	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10
General Dry Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Passenger Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Barge	-	3	11	3	1	-	-	-	-	1	-	-	-	-	-	-	-	-	19
Tank Ship	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	3
Towing Vessel	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Other a/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	2	3	20	3	1	-	-	3	-	1	-	-	-	-	-	-	-	-	33
<u>2003 Restricted period arrivals</u>																			
Bulk Carrier	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Passenger Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<u>2003 Total arrivals</u>																			
Bulk Carrier	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	-	-	-	-	-	3	-	-	4	1	4	-	-	-	-	-	-	12
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Passenger Ship	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Barge	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Tank Ship	-	-	-	2	-	-	-	1	1	-	-	-	-	-	-	-	-	-	4
Towing Vessel	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
Other a/	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Total	4	-	1	2	1	-	3	1	1	4	1	4	-	-	-	-	-	-	22

a/ Other includes fishing vessels, industrial vessels, research vessels, school ships.

Source: Prepared by Nathan Associates based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports, 2002-2003.

Table E-10. Arrivals of Foreign Flag Vessels 150 GRT and Above by ANPR Port Area and Vessel DWT, 2002 and 2003
ANPR Port Area: Portsmouth, NH

Year and period	DWT (000s)																	Total	
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+	
<u>2002 Restricted period arrivals</u>																			
Bulk Carrier	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Passenger Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<u>2002 Total arrivals</u>																			
Bulk Carrier	-	-	-	-	-	3	5	21	3	7	3	8	-	-	-	-	-	-	50
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1
Container Ship	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	-	1	-	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	5
Passenger Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Barge	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Tank Ship	-	8	10	4	1	2	7	39	8	14	2	-	-	-	-	-	-	-	95
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Total	-	11	10	5	3	5	14	60	11	21	6	8	-	-	-	-	-	-	154
<u>2003 Restricted period arrivals</u>																			
Bulk Carrier	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Passenger Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<u>2003 Total arrivals</u>																			
Bulk Carrier	-	-	2	-	1	8	2	29	16	6	2	1	-	-	-	-	-	-	67
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	2	-	-	1	-	-	-	-	-	-	-	3
Container Ship	-	1	-	1	4	-	6	5	3	6	5	13	-	-	-	-	-	-	44
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	1	1	-	1	-	3	-	2	1	-	-	-	-	-	-	-	-	-	9
Passenger Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	-	-	-	-	-	-	-	-	-	-	5	-	-	-	-	-	-	-	5
Tank Barge	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Tank Ship	3	9	5	2	4	8	3	34	20	23	13	1	-	-	-	-	-	-	125
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Total	4	12	8	4	9	19	11	72	40	35	26	15	-	-	-	-	-	-	255

a/ Other includes fishing vessels, industrial vessels, research vessels, school ships.

Source: Prepared by Nathan Associates based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports, 2002-2003.

Table E-11. Arrivals of U.S. Flag Vessels 150 GRT and Above by ANPR Port Area and Vessel DWT, 2002 and 2003
ANPR Port Area: Salem, MA

Year and period	DWT (000s)																	Total	
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+	
<u>2002 Restricted period arrivals</u>																			
Bulk Carrier	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Passenger Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<u>2002 Total arrivals</u>																			
Bulk Carrier	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	2
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Passenger Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	2
<u>2003 Restricted period arrivals</u>																			
Bulk Carrier	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Passenger Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<u>2003 Total arrivals</u>																			
Bulk Carrier	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Passenger Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1

a/ Other includes fishing vessels, industrial vessels, research vessels, school ships.

Source: Prepared by Nathan Associates based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports, 2002-2003.

Table E-12. Arrivals of Foreign Flag Vessels 150 GRT and Above by ANPR Port Area and Vessel DWT, 2002 and 2003
ANPR Port Area: Salem, MA

Year and period	DWT (000s)																	Total	
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+	
<u>2002 Restricted period arrivals</u>																			
Bulk Carrier	-	-	-	-	-	-	-	1	2	-	-	-	-	-	-	-	-	-	3
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Passenger Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Refrigerated Cargo Ship	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Ro-Ro Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	1	-	-	-	-	-	1	2	-	-	-	-	-	-	-	-	-	4
<u>2002 Total arrivals</u>																			
Bulk Carrier	-	-	-	-	-	-	-	2	6	-	1	1	9	-	-	-	-	-	19
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Passenger Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Refrigerated Cargo Ship	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
Ro-Ro Cargo Ship	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Ship	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	2	-	1	-	-	-	2	6	1	1	1	9	-	-	-	-	-	23
<u>2003 Restricted period arrivals</u>																			
Bulk Carrier	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	1
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Passenger Ship	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	1	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	2
<u>2003 Total arrivals</u>																			
Bulk Carrier	-	-	-	-	-	-	-	-	3	2	-	-	1	-	-	-	-	-	6
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Passenger Ship	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Ship	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	1	-	-	-	-	-	-	-	3	2	-	1	1	-	-	-	-	-	8

a/ Other includes fishing vessels, industrial vessels, research vessels, school ships.

Source: Prepared by Nathan Associates based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports, 2002-2003.

Table E-13. Arrivals of U.S. Flag Vessels 150 GRT and Above by ANPR Port Area and Vessel DWT, 2002 and 2003
ANPR Port Area: Boston, MA

Year and period	DWT (000s)																	Total	
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+	
<u>2002 Restricted period arrivals</u>																			
Bulk Carrier	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Passenger Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Barge	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Tank Ship	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Total	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
<u>2002 Total arrivals</u>																			
Bulk Carrier	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Freight Barge	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
General Dry Cargo Ship	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Passenger Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	-	-	1	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5
Tank Barge	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
Tank Ship	2	-	-	-	-	-	1	4	2	-	-	-	-	-	-	-	-	-	9
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Total	3	3	1	5	-	-	1	4	2	-	-	-	-	-	-	-	-	-	19
<u>2003 Restricted period arrivals</u>																			
Bulk Carrier	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Passenger Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Ship	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Total	1	-	2	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	4
<u>2003 Total arrivals</u>																			
Bulk Carrier	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Freight Barge	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
General Dry Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Passenger Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Ship	1	-	-	-	-	-	1	3	-	-	-	-	-	-	-	-	-	-	5
Towing Vessel	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Other a/	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
Total	5	1	2	-	-	-	1	3	-	-	-	-	-	-	-	-	-	-	12

a/ Other includes fishing vessels, industrial vessels, research vessels, school ships.

Source: Prepared by Nathan Associates based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports, 2002-2003.

Table E-14. Arrivals of Foreign Flag Vessels 150 GRT and Above by ANPR Port Area and Vessel DWT, 2002 and 2003
ANPR Port Area: Boston, MA

Year and period	DWT (000s)																Total		
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+	
2002 Restricted period arrivals																			
Bulk Carrier	-	-	2	4	-	-	-	-	-	-	1	-	-	-	-	-	-	-	7
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	1	-	1	1	-	-	6	3	2	4	-	-	-	-	-	-	-	18
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	-	2	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	3
Passenger Ship	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	8	-	4	5	1	-	-	-	-	-	-	-	-	-	-	-	-	-	18
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Ship	-	-	2	-	-	-	5	15	8	4	5	5	-	-	-	-	-	-	44
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	8	7	8	10	2	-	5	22	11	6	10	5	-	-	-	-	-	-	94
2002 Total arrivals																			
Bulk Carrier	-	2	8	28	1	2	-	5	7	2	3	4	1	-	-	-	-	-	63
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1
Container Ship	-	16	-	1	2	6	1	35	36	19	31	2	-	-	-	-	-	-	149
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	2	9	4	-	3	-	-	2	-	-	-	-	-	-	-	-	-	-	20
Passenger Ship	26	57	7	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	91
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	66	-	28	24	10	-	-	-	-	1	-	-	-	-	-	-	-	-	129
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Ship	-	2	10	7	-	35	46	120	70	42	19	32	1	-	-	-	-	4	388
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Total	95	86	57	60	17	43	47	162	113	64	53	39	2	-	-	-	-	4	842
2003 Restricted period arrivals																			
Bulk Carrier	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	3	-	-	-	-	-	-	5	2	4	-	-	-	-	-	-	-	14
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
Passenger Ship	2	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6
Refrigerated Cargo Ship	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Ro-Ro Cargo Ship	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Ship	-	-	3	-	-	3	-	20	11	3	-	3	-	-	-	-	-	5	48
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	11	8	4	1	-	3	-	20	16	5	4	3	-	-	-	-	-	5	80
2003 Total arrivals																			
Bulk Carrier	-	-	2	11	2	5	1	2	5	2	-	2	2	-	-	-	-	-	34
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1
Container Ship	-	15	-	1	3	2	1	2	23	9	21	-	-	-	-	-	-	-	77
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	2	2	1	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	7
Passenger Ship	4	15	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20
Refrigerated Cargo Ship	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4
Ro-Ro Cargo Ship	27	-	2	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	33
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Ship	-	-	8	1	1	11	11	65	46	19	2	13	3	-	-	-	-	20	200
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
Total	35	36	14	17	6	19	13	70	75	30	23	15	5	-	-	-	-	20	378

a/ Other includes fishing vessels, industrial vessels, research vessels, school ships.

Source: Prepared by Nathan Associates based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports, 2002-2003.

Table E-15. Arrivals of U.S. Flag Vessels 150 GRT and Above by ANPR Port Area and Vessel DWT, 2002 and 2003
ANPR Port Area: Cape Cod, MA

Year and period	DWT (000s)																	Total
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	
<u>2002 Restricted period arrivals</u>																		
Bulk Carrier	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Passenger Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<u>2002 Total arrivals</u>																		
Bulk Carrier	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Passenger Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<u>2003 Restricted period arrivals</u>																		
Bulk Carrier	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Passenger Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<u>2003 Total arrivals</u>																		
Bulk Carrier	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Passenger Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

a/ Other includes fishing vessels, industrial vessels, research vessels, school ships.

Source: Prepared by Nathan Associates based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports, 2002-2003.

Table E-16. Arrivals of Foreign Flag Vessels 150 GRT and Above by ANPR Port Area and Vessel DWT, 2002 and 2003
ANPR Port Area: Cape Cod, MA

Year and period	DWT (000s)																		Total
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+	
<u>2002 Restricted period arrivals</u>																			
Bulk Carrier	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Passenger Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Ship	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1
<u>2002 Total arrivals</u>																			
Bulk Carrier	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1
Container Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Passenger Ship	3	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Ship	-	-	-	-	-	-	-	2	-	-	2	6	-	-	-	-	-	-	10
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	3	9	-	-	-	-	-	2	-	-	3	6	-	-	-	-	-	-	23
<u>2003 Restricted period arrivals</u>																			
Bulk Carrier	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Passenger Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Ship	-	-	-	-	-	-	-	-	-	-	1	4	1	-	-	-	-	-	6
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-	1	4	1	-	-	-	-	-	6
<u>2003 Total arrivals</u>																			
Bulk Carrier	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Passenger Ship	7	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Ship	-	-	-	-	-	-	-	-	-	2	1	7	3	-	-	-	-	-	13
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	7	2	-	-	-	-	-	-	-	2	1	7	3	-	-	-	-	-	22

a/ Other includes fishing vessels, industrial vessels, research vessels, school ships.

Source: Prepared by Nathan Associates based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports, 2002-2003.

Table E-17. Arrivals of U.S. Flag Vessels 150 GRT and Above by ANPR Port Area and Vessel DWT, 2002 and 2003
ANPR Port Area: New Bedford, MA

Year and period	DWT (000s)																		Total
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+	
<u>2002 Restricted period arrivals</u>																			
Bulk Carrier	-	-	-	-	-	-	-	12	-	-	-	-	-	-	-	-	-	-	12
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Freight Barge	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1
General Dry Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Passenger Ship	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Total	7	-	-	-	1	-	-	12	-	-	-	-	-	-	-	-	-	-	20
<u>2002 Total arrivals</u>																			
Bulk Carrier	-	-	-	-	-	-	-	28	-	-	-	-	-	-	-	-	-	-	28
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Freight Barge	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1
General Dry Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Passenger Ship	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Total	16	-	-	-	1	-	-	28	-	-	-	-	-	-	-	-	-	-	45
<u>2003 Restricted period arrivals</u>																			
Bulk Carrier	-	-	-	-	-	-	-	6	-	-	-	-	-	-	-	-	-	-	6
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Passenger Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	6	-	-	-	-	-	-	-	-	-	-	6
<u>2003 Total arrivals</u>																			
Bulk Carrier	-	-	-	-	-	-	-	15	-	-	-	-	-	-	-	-	-	-	15
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Passenger Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Barge	4	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5
Tank Ship	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	4	1	-	2	-	-	-	15	-	-	-	-	-	-	-	-	-	-	22

a/ Other includes fishing vessels, industrial vessels, research vessels, school ships.

Source: Prepared by Nathan Associates based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports, 2002-2003.

Table E-18. Arrivals of Foreign Flag Vessels 150 GRT and Above by ANPR Port Area and Vessel DWT, 2002 and 2003
ANPR Port Area: New Bedford, MA

Year and period	DWT (000s)																	Total	
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+	
<u>2002 Restricted period arrivals</u>																			
Bulk Carrier	-	-	-	-	-	-	-	1	3	-	-	-	2	-	-	-	-	-	6
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	7	2	3	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	15
Passenger Ship	-	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6
Refrigerated Cargo Ship	-	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9
Ro-Ro Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Ship	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	2
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Total	8	17	4	-	4	-	-	1	3	-	-	-	2	-	-	-	-	-	39
<u>2002 Total arrivals</u>																			
Bulk Carrier	-	-	-	-	6	-	-	1	4	-	-	2	3	-	-	-	-	-	16
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	13	7	7	-	6	-	-	-	-	-	-	-	-	-	-	-	-	-	33
Passenger Ship	-	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14
Refrigerated Cargo Ship	-	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11
Ro-Ro Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Ship	-	-	1	1	1	-	1	1	-	-	-	-	-	-	-	-	-	-	5
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Total	14	32	8	1	13	-	1	2	4	-	-	2	3	-	-	-	-	-	80
<u>2003 Restricted period arrivals</u>																			
Bulk Carrier	-	-	-	-	2	-	-	2	-	2	1	4	3	-	-	-	-	-	14
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	2	3	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	8
Passenger Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Refrigerated Cargo Ship	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4
Ro-Ro Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Ship	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	2	7	5	-	3	-	-	2	-	2	1	4	3	-	-	-	-	-	29
<u>2003 Total arrivals</u>																			
Bulk Carrier	-	-	-	-	7	-	2	3	4	5	3	12	7	-	-	-	-	-	43
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	9	8	5	-	3	1	-	-	-	-	-	-	-	-	-	-	-	-	26
Passenger Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Refrigerated Cargo Ship	-	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11
Ro-Ro Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Ship	-	2	4	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	8
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	10	21	9	-	12	1	2	3	4	5	3	12	7	-	-	-	-	-	89

a/ Other includes fishing vessels, industrial vessels, research vessels, school ships.

Source: Prepared by Nathan Associates based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports, 2002-2003.

Table E-19. Arrivals of U.S. Flag Vessels 150 GRT and Above by ANPR Port Area and Vessel DWT, 2002 and 2003
ANPR Port Area: Providence, RI

Year and period	DWT (000s)																		Total
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+	
<u>2002 Restricted period arrivals</u>																			
Bulk Carrier	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Passenger Ship	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Ship	2	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	4
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	3	-	-	-	1	-	-	-	2	-	-	-	-	-	-	-	-	-	6
<u>2002 Total arrivals</u>																			
Bulk Carrier	-	-	-	-	-	-	-	4	-	-	-	-	-	-	-	-	-	-	4
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Passenger Ship	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	-	-	-	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	3
Tank Barge	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Tank Ship	9	-	-	-	-	-	1	1	5	9	-	-	-	-	-	-	-	-	25
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	11	-	-	3	1	-	1	5	5	9	-	-	-	-	-	-	-	-	35
<u>2003 Restricted period arrivals</u>																			
Bulk Carrier	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Passenger Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Ship	3	-	-	-	-	-	1	1	-	2	-	-	-	-	-	-	-	-	7
Towing Vessel	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Other a/	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Total	5	-	-	-	-	-	1	1	-	2	-	-	-	-	-	-	-	-	9
<u>2003 Total arrivals</u>																			
Bulk Carrier	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Passenger Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
Tank Barge	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Tank Ship	5	-	-	-	-	-	1	2	-	6	-	-	-	-	-	-	-	-	14
Towing Vessel	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
Other a/	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Total	9	-	1	1	-	-	1	2	-	6	-	-	-	-	-	-	-	-	20

a/ Other includes fishing vessels, industrial vessels, research vessels, school ships.

Source: Prepared by Nathan Associates based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports, 2002-2003.

Table E-20. Arrivals of Foreign Flag Vessels 150 GRT and Above by ANPR Port Area and Vessel DWT, 2002 and 2003
ANPR Port Area: Providence, RI

Year and period	DWT (000s)																	Total	
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+	
<u>2002 Restricted period arrivals</u>																			
Bulk Carrier	-	-	-	6	-	4	9	5	1	1	-	-	-	-	-	-	-	-	26
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	2
Container Ship	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	2	1	2	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	6
Passenger Ship	14	8	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	23
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	-	-	3	5	2	-	-	-	-	1	-	-	-	-	-	-	-	-	11
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Ship	-	1	4	-	-	4	3	4	1	2	1	1	-	-	-	-	-	-	21
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
Total	18	10	10	12	3	8	12	9	2	4	2	1	1	-	-	-	-	-	92
<u>2002 Total arrivals</u>																			
Bulk Carrier	-	-	-	20	1	7	26	18	7	2	3	4	1	-	-	-	-	-	89
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	2
Container Ship	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Freight Barge	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
General Dry Cargo Ship	5	1	7	-	4	-	-	1	-	-	-	-	-	-	-	-	-	-	18
Passenger Ship	20	13	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	35
Refrigerated Cargo Ship	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
Ro-Ro Cargo Ship	-	1	10	15	3	-	-	-	-	1	-	-	-	-	-	-	-	-	30
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Ship	-	4	12	2	-	15	8	13	10	11	2	1	-	-	-	-	-	-	78
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6
Total	32	20	32	38	8	22	34	32	17	14	6	5	2	-	-	-	-	-	262
<u>2003 Restricted period arrivals</u>																			
Bulk Carrier	-	1	-	5	1	2	6	6	4	3	-	-	-	-	-	-	-	-	28
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	-	1	4	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	7
Passenger Ship	6	18	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	25
Refrigerated Cargo Ship	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
Ro-Ro Cargo Ship	-	-	19	9	1	-	-	-	-	-	-	-	-	-	-	-	-	-	29
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Ship	-	1	-	-	-	2	-	10	9	5	1	3	1	-	-	-	-	-	32
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	6	24	24	14	2	5	6	17	13	8	1	3	1	-	-	-	-	-	124
<u>2003 Total arrivals</u>																			
Bulk Carrier	-	1	-	15	2	3	18	12	13	12	3	3	1	-	-	-	-	-	83
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	1	-	-	-	-	1	-	-	-	-	-	2
Container Ship	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	-	6	14	1	-	1	-	2	-	-	-	-	-	-	-	-	-	-	24
Passenger Ship	10	22	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	35
Refrigerated Cargo Ship	-	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4
Ro-Ro Cargo Ship	-	1	44	32	1	-	-	-	-	-	-	-	-	-	-	-	-	-	78
Tank Barge	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Tank Ship	-	3	4	1	1	5	6	21	36	18	4	4	3	-	1	-	-	-	107
Towing Vessel	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Other a/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	11	38	67	49	4	9	24	36	49	30	7	7	5	-	1	-	-	-	337

a/ Other includes fishing vessels, industrial vessels, research vessels, school ships.

Source: Prepared by Nathan Associates based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports, 2002-2003.

Table E-21. Arrivals of U.S. Flag Vessels 150 GRT and Above by ANPR Port Area and Vessel DWT, 2002 and 2003
ANPR Port Area: New London, CT

Year and period	DWT (000s)																		Total
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+	
<u>2002 Restricted period arrivals</u>																			
Bulk Carrier	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Passenger Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Barge	3	5	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	10
Tank Ship	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	3	5	1	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	11
<u>2002 Total arrivals</u>																			
Bulk Carrier	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Passenger Ship	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Barge	7	12	7	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	29
Tank Ship	-	-	-	2	-	-	2	1	-	-	-	-	-	-	-	-	-	-	5
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	10	12	7	2	3	-	2	1	-	-	-	-	-	-	-	-	-	-	37
<u>2003 Restricted period arrivals</u>																			
Bulk Carrier	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Passenger Ship	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Barge	10	10	1	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	23
Tank Ship	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	14	10	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	28
<u>2003 Total arrivals</u>																			
Bulk Carrier	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Passenger Ship	32	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	32
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Barge	25	29	7	-	8	-	-	-	-	-	-	-	-	-	-	-	-	-	69
Tank Ship	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	2
Towing Vessel	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Other a/	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Total	59	29	7	1	8	-	1	-	-	-	-	-	-	-	-	-	-	-	105

a/ Other includes fishing vessels, industrial vessels, research vessels, school ships.

Source: Prepared by Nathan Associates based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports, 2002-2003.

Table E-22. Arrivals of Foreign Flag Vessels 150 GRT and Above by ANPR Port Area and Vessel DWT, 2002 and 2003
ANPR Port Area: New London, CT

Year and period	DWT (000s)																Total		
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+	
<u>2002 Restricted period arrivals</u>																			
Bulk Carrier	-	-	1	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	3
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	-	-	-	2	-	-	1	-	-	-	-	-	-	-	-	-	-	-	3
Passenger Ship	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	1	1	2	-	-	1	-	-	1	1	-	-	-	-	-	-	-	7
<u>2002 Total arrivals</u>																			
Bulk Carrier	-	-	1	2	-	1	-	-	-	3	1	-	-	-	-	-	-	-	8
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	1	-	-	2	-	-	1	2	-	3	-	-	-	-	-	-	-	-	9
Passenger Ship	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Ship	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	1	1	1	4	-	1	1	2	-	7	1	-	-	-	-	-	-	-	19
<u>2003 Restricted period arrivals</u>																			
Bulk Carrier	-	-	-	2	-	-	-	2	1	3	-	-	-	-	-	-	-	-	8
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	-	-	-	-	-	-	-	1	1	1	-	-	-	-	-	-	-	-	3
Passenger Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Ship	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	2	-	-	-	3	2	5	-	-	-	-	-	-	-	-	12
<u>2003 Total arrivals</u>																			
Bulk Carrier	-	-	-	6	-	1	-	3	7	6	-	-	-	-	-	-	-	-	23
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	2
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	-	-	1	-	-	2	1	2	1	3	-	-	-	-	-	-	-	-	10
Passenger Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Ship	-	1	-	-	-	-	-	-	-	5	-	-	-	-	-	-	-	-	6
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	1	1	6	-	3	1	6	8	15	-	-	-	-	-	-	-	-	41

a/ Other includes fishing vessels, industrial vessels, research vessels, school ships.

Source: Prepared by Nathan Associates based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports, 2002-2003.

Table E-23. Arrivals of U.S. Flag Vessels 150 GRT and Above by ANPR Port Area and Vessel DWT, 2002 and 2003
ANPR Port Area: New Haven, CT

Year and period	DWT (000s)																Total		
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+	
<u>2002 Restricted period arrivals</u>																			
Bulk Carrier	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Passenger Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Barge	2	14	7	9	1	-	-	-	-	-	-	-	-	-	-	-	-	-	33
Tank Ship	9	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10
Towing Vessel	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6
Other a/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	17	14	7	10	1	-	-	-	-	-	-	-	-	-	-	-	-	-	49
<u>2002 Total arrivals</u>																			
Bulk Carrier	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Freight Barge	1	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4
General Dry Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Passenger Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Barge	5	63	25	34	1	-	-	-	-	-	-	-	-	-	-	-	-	-	128
Tank Ship	19	-	-	1	-	-	1	1	-	8	-	-	-	-	-	-	-	-	30
Towing Vessel	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16
Other a/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	41	63	28	35	1	-	1	1	-	8	-	-	-	-	-	-	-	-	178
<u>2003 Restricted period arrivals</u>																			
Bulk Carrier	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Freight Barge	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
General Dry Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Passenger Ship	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Barge	19	25	11	18	2	-	-	-	-	-	-	-	-	-	-	-	-	-	75
Tank Ship	18	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	20
Towing Vessel	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5
Other a/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	47	25	11	19	2	-	-	-	-	2	-	-	-	-	-	-	-	-	106
<u>2003 Total arrivals</u>																			
Bulk Carrier	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Freight Barge	4	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5
General Dry Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Passenger Ship	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Barge	35	104	42	61	5	-	-	-	-	-	-	-	-	-	-	-	-	-	247
Tank Ship	38	-	-	-	-	-	3	3	-	7	2	-	-	-	-	-	-	-	53
Towing Vessel	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17
Other a/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	99	104	42	62	5	-	3	3	-	7	2	-	-	-	-	-	-	-	327

a/ Other includes fishing vessels, industrial vessels, research vessels, school ships.

Source: Prepared by Nathan Associates based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports, 2002-2003.

Table E-24. Arrivals of Foreign Flag Vessels 150 GRT and Above by ANPR Port Area and Vessel DWT, 2002 and 2003
ANPR Port Area: New Haven, CT

Year and period	DWT (000s)																	Total	
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+	
<u>2002 Restricted period arrivals</u>																			
Bulk Carrier	-	1	-	1	5	5	-	3	4	4	4	1	-	-	-	-	-	-	28
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	-	3	-	1	3	2	-	-	-	2	-	-	-	-	-	-	-	-	11
Passenger Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Refrigerated Cargo Ship	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Ro-Ro Cargo Ship	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Tank Barge	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4
Tank Ship	-	-	-	-	-	3	2	9	4	13	-	-	-	-	-	-	-	-	31
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	8	1	3	8	11	2	12	8	19	4	1	-	-	-	-	-	-	77
<u>2002 Total arrivals</u>																			
Bulk Carrier	-	1	1	4	15	17	3	9	7	10	6	2	-	-	-	-	-	-	75
Combination Carrier (e.g. OBO)	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Container Ship	-	-	-	1	-	2	-	-	-	2	-	-	-	-	-	-	-	-	5
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	2	7	3	5	12	4	2	2	3	6	-	-	-	-	-	-	-	-	46
Passenger Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Refrigerated Cargo Ship	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Ro-Ro Cargo Ship	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Tank Barge	-	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6
Tank Ship	-	1	-	1	-	11	5	43	31	37	1	-	-	-	-	-	-	-	130
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	2	16	5	12	27	34	10	54	41	55	7	2	-	-	-	-	-	-	265
<u>2003 Restricted period arrivals</u>																			
Bulk Carrier	-	-	1	-	2	9	3	1	-	3	4	4	-	-	-	-	-	-	27
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	-	-	6	1	2	-	-	-	1	2	-	-	-	-	-	-	-	-	12
Passenger Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Ship	-	-	1	-	-	5	1	19	21	8	1	-	-	-	1	-	-	-	57
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Total	-	1	8	1	4	14	4	20	22	13	5	4	-	-	1	-	-	-	97
<u>2003 Total arrivals</u>																			
Bulk Carrier	-	-	1	1	7	20	10	5	5	6	8	4	-	-	-	-	-	-	67
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	1	-	-	-	1	-	-	-	-	2
Container Ship	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	-	-	14	3	10	3	1	-	1	6	-	-	-	-	-	-	-	-	38
Passenger Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Ship	-	-	1	-	-	7	3	59	58	37	3	1	-	-	1	-	-	-	170
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Total	-	1	16	4	17	30	14	64	64	51	11	5	-	1	1	-	-	-	279

a/ Other includes fishing vessels, industrial vessels, research vessels, school ships.

Source: Prepared by Nathan Associates based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports, 2002-2003.

Table E-25. Arrivals of U.S. Flag Vessels 150 GRT and Above by ANPR Port Area and Vessel DWT, 2002 and 2003
ANPR Port Area: Bridgeport, CT

Year and period	DWT (000s)																Total		
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+	
<u>2002 Restricted period arrivals</u>																			
Bulk Carrier	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Passenger Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Barge	4	11	3	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	27
Tank Ship	5	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	7
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	9	11	3	9	-	-	1	1	-	-	-	-	-	-	-	-	-	-	34
<u>2002 Total arrivals</u>																			
Bulk Carrier	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Passenger Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Barge	26	36	10	26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	98
Tank Ship	17	-	-	-	-	-	2	1	-	-	-	-	-	-	-	-	-	-	20
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	43	36	10	26	-	-	2	1	-	-	-	-	-	-	-	-	-	-	118
<u>2003 Restricted period arrivals</u>																			
Bulk Carrier	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Freight Barge	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
General Dry Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Passenger Ship	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Barge	14	22	9	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	58
Tank Ship	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	32	22	9	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	76
<u>2003 Total arrivals</u>																			
Bulk Carrier	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Freight Barge	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6
General Dry Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Passenger Ship	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Barge	65	51	23	53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	192
Tank Ship	36	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	38
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	111	51	23	53	-	-	-	-	-	2	-	-	-	-	-	-	-	-	240

a/ Other includes fishing vessels, industrial vessels, research vessels, school ships.

Source: Prepared by Nathan Associates based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports, 2002-2003.

Table E-26. Arrivals of Foreign Flag Vessels 150 GRT and Above by ANPR Port Area and Vessel DWT, 2002 and 2003
ANPR Port Area: Bridgeport, CT

Year and period	DWT (000s)																	Total	
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+	
<u>2002 Restricted period arrivals</u>																			
Bulk Carrier	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	2
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
Passenger Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Refrigerated Cargo Ship	-	-	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20
Ro-Ro Cargo Ship	2	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
Tank Barge	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
Tank Ship	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	2	4	20	1	-	-	-	1	-	-	1	-	1	-	-	-	-	-	30
<u>2002 Total arrivals</u>																			
Bulk Carrier	-	-	1	-	-	-	-	-	-	4	1	-	5	-	-	-	-	-	11
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4
Passenger Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Refrigerated Cargo Ship	-	5	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	61
Ro-Ro Cargo Ship	8	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10
Tank Barge	-	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5
Tank Ship	-	-	-	-	-	-	-	4	3	1	1	1	-	-	-	-	-	-	10
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	8	14	57	2	-	-	-	4	3	5	2	1	5	-	-	-	-	-	101
<u>2003 Restricted period arrivals</u>																			
Bulk Carrier	-	-	-	-	-	-	-	-	-	5	-	1	8	-	-	-	-	-	14
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Passenger Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Refrigerated Cargo Ship	-	-	19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19
Ro-Ro Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Ship	-	-	-	-	-	-	-	1	-	1	-	1	-	-	-	-	1	-	4
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	1	19	-	-	-	-	1	-	6	-	2	8	-	-	-	1	-	38
<u>2003 Total arrivals</u>																			
Bulk Carrier	-	-	1	-	-	-	-	-	-	14	-	2	19	-	-	-	-	-	36
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
Passenger Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Refrigerated Cargo Ship	-	10	48	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	67
Ro-Ro Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Ship	-	-	-	-	-	-	-	4	1	2	1	2	-	-	2	-	1	1	14
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	13	49	9	-	-	-	4	1	16	1	4	19	-	2	-	1	1	120

a/ Other includes fishing vessels, industrial vessels, research vessels, school ships.

Source: Prepared by Nathan Associates based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports, 2002-2003.

Table E-27. Arrivals of U.S. Flag Vessels 150 GRT and Above by ANPR Port Area and Vessel DWT, 2002 and 2003
ANPR Port Area: Long Island, NY

Year and period	DWT (000s)																Total		
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+	
<u>2002 Restricted period arrivals</u>																			
Bulk Carrier	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Freight Barge	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
General Dry Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Passenger Ship	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Barge	18	23	11	2	10	-	-	-	-	-	-	-	-	-	-	-	-	-	64
Tank Ship	9	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	34	23	11	6	10	-	-	-	-	-	-	-	-	-	-	-	-	-	84
<u>2002 Total arrivals</u>																			
Bulk Carrier	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Freight Barge	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
General Dry Cargo Ship	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Passenger Ship	29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	29
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Barge	49	122	27	14	30	-	-	-	-	-	-	-	-	-	-	-	-	-	242
Tank Ship	32	-	-	21	-	-	-	1	1	-	-	-	-	-	-	-	-	-	55
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	113	122	27	35	30	-	-	1	1	-	-	-	-	-	-	-	-	-	329
<u>2003 Restricted period arrivals</u>																			
Bulk Carrier	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Freight Barge	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
General Dry Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Passenger Ship	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Barge	57	70	8	11	29	-	-	-	-	-	-	-	-	-	-	-	-	-	175
Tank Ship	42	-	-	8	-	-	-	1	-	-	-	-	-	-	-	-	-	-	51
Towing Vessel	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
Other a/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	117	70	8	19	29	-	-	1	-	-	-	-	-	-	-	-	-	-	244
<u>2003 Total arrivals</u>																			
Bulk Carrier	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Freight Barge	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
General Dry Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Passenger Ship	31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	31
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Barge	174	238	53	49	72	-	-	-	-	-	-	-	-	-	-	-	-	-	586
Tank Ship	130	-	-	17	-	-	1	1	-	-	-	-	-	-	-	-	-	-	149
Towing Vessel	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
Other a/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	340	238	53	66	72	-	1	1	-	-	-	-	-	-	-	-	-	-	771

a/ Other includes fishing vessels, industrial vessels, research vessels, school ships.

Source: Prepared by Nathan Associates based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports, 2002-2003.

Table E-28. Arrivals of Foreign Flag Vessels 150 GRT and Above by ANPR Port Area and Vessel DWT, 2002 and 2003
ANPR Port Area: Long Island, NY

Year and period	DWT (000s)																Total		
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+	
<u>2002 Restricted period arrivals</u>																			
Bulk Carrier	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Passenger Ship	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Ship	-	-	-	-	-	-	-	-	-	2	2	7	-	-	5	-	6	1	23
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	1	-	-	-	-	-	-	-	-	2	2	7	-	-	5	-	6	1	24
<u>2002 Total arrivals</u>																			
Bulk Carrier	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	1
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1
Container Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Passenger Ship	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Ship	-	-	-	-	-	1	-	1	-	5	5	30	5	3	21	-	20	7	98
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	1	-	-	-	-	1	-	2	-	5	5	31	5	3	21	-	20	7	101
<u>2003 Restricted period arrivals</u>																			
Bulk Carrier	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Passenger Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Ship	-	-	-	-	-	-	-	-	-	2	2	12	3	-	9	3	9	3	43
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	2	2	12	3	-	9	3	9	3	43
<u>2003 Total arrivals</u>																			
Bulk Carrier	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	-	-	-	2
Container Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Passenger Ship	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Ship	-	-	2	-	-	-	-	-	2	5	2	32	5	1	24	8	18	7	106
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
Total	1	2	2	-	-	-	-	-	2	5	2	32	6	1	25	8	18	7	111

a/ Other includes fishing vessels, industrial vessels, research vessels, school ships.

Source: Prepared by Nathan Associates based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports, 2002-2003.

Table E-29. Arrivals of U.S. Flag Vessels 150 GRT and Above by ANPR Port Area and Vessel DWT, 2002 and 2003
ANPR Port Area: New York City, NY

Year and period	DWT (000s)																Total		
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+	
<u>2002 Restricted period arrivals</u>																			
Bulk Carrier	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	-	-	18	2	4	9	9	-	-	17	7	-	-	-	-	-	-	66
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Passenger Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	-	-	-	4	1	-	-	-	-	-	-	-	-	-	-	-	-	-	5
Tank Barge	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1
Tank Ship	33	-	-	-	-	-	11	18	13	2	-	-	-	-	-	-	-	-	77
Towing Vessel	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7
Other a/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	40	-	-	22	3	5	20	27	13	2	17	7	-	-	-	-	-	-	156
<u>2002 Total arrivals</u>																			
Bulk Carrier	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	2
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	-	-	41	5	14	22	19	-	-	40	18	-	-	-	-	-	-	159
Freight Barge	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
General Dry Cargo Ship	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	2
Passenger Ship	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	2	1	-	9	3	-	-	-	-	-	-	-	-	-	-	-	-	-	15
Tank Barge	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	2
Tank Ship	83	-	-	8	-	-	19	50	29	13	-	-	-	-	-	-	-	-	202
Towing Vessel	19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19
Other a/	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
Total	109	3	2	58	8	16	41	71	29	13	40	18	-	-	-	-	-	-	408
<u>2003 Restricted period arrivals</u>																			
Bulk Carrier	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	-	-	9	-	12	12	6	-	4	18	11	-	-	-	-	-	-	72
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Passenger Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	-	-	-	4	1	-	-	-	-	-	-	-	-	-	-	-	-	-	5
Tank Barge	1	13	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15
Tank Ship	47	-	-	6	-	-	13	18	13	6	-	-	-	-	-	-	-	-	103
Towing Vessel	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10
Other a/	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Total	59	13	1	19	1	12	25	24	13	10	18	11	-	-	-	-	-	-	206
<u>2003 Total arrivals</u>																			
Bulk Carrier	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	-	-	27	-	31	33	17	-	7	45	29	-	-	-	-	-	-	189
Freight Barge	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
General Dry Cargo Ship	-	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
Passenger Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	-	-	-	9	3	-	-	-	-	-	-	-	-	-	-	-	-	-	12
Tank Barge	2	15	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	20
Tank Ship	79	-	-	10	-	-	27	37	36	14	3	-	-	-	-	-	-	-	206
Towing Vessel	19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19
Other a/	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4
Total	104	17	3	47	4	31	60	54	36	21	48	29	-	-	-	-	-	-	454

a/ Other includes fishing vessels, industrial vessels, research vessels, school ships.

Source: Prepared by Nathan Associates based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports, 2002-2003.

Table E-30. Arrivals of Foreign Flag Vessels 150 GRT and Above by ANPR Port Area and Vessel DWT, 2002 and 2003
ANPR Port Area: New York City, NY

Year and period	DWT (000s)																	Total	
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+	
2002 Restricted period arrivals																			
Bulk Carrier	-	9	5	21	2	12	15	20	22	19	8	6	6	1	-	-	-	-	146
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	2	2	2	8	2	1	-	-	-	17
Container Ship	4	6	71	39	45	52	90	56	111	144	167	130	-	-	-	-	-	-	915
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	4	12	6	2	4	6	7	10	6	4	-	-	-	-	-	-	-	-	61
Passenger Ship	36	42	5	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	84
Refrigerated Cargo Ship	-	1	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10
Ro-Ro Cargo Ship	10	16	97	62	30	23	4	4	21	2	34	-	-	-	-	-	-	-	303
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Ship	3	5	36	11	13	32	22	62	59	69	21	51	19	11	65	9	11	1	500
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	4	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7
Total	61	94	229	135	95	125	138	152	219	240	232	189	33	14	66	9	11	1	2,043
2002 Total arrivals																			
Bulk Carrier	1	17	15	48	11	23	27	42	66	47	23	14	14	2	-	-	-	-	350
Combination Carrier (e.g. OBO)	-	1	-	-	-	-	-	1	-	6	4	4	18	5	1	2	-	-	42
Container Ship	7	9	170	99	108	103	227	145	295	317	436	333	-	-	-	-	-	-	2,249
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	9	27	12	6	7	9	14	19	12	5	-	-	-	-	-	-	-	-	120
Passenger Ship	83	97	13	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	194
Refrigerated Cargo Ship	-	2	18	-	-	2	-	-	-	-	2	-	-	-	-	-	-	-	24
Ro-Ro Cargo Ship	25	39	219	167	73	52	12	11	47	4	96	1	-	-	-	-	-	-	746
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Ship	4	15	81	33	25	71	54	166	137	174	44	133	57	24	143	22	26	11	1,220
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	8	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14
Total	137	213	528	353	225	260	334	384	557	553	605	485	89	31	144	24	26	11	4,959
2003 Restricted period arrivals																			
Bulk Carrier	1	5	10	17	2	13	14	26	28	27	15	5	7	1	-	-	-	-	171
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	3	2	-	7	2	2	-	-	-	16
Container Ship	-	8	76	37	36	19	119	76	100	89	196	178	-	-	-	-	-	-	934
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	3	9	1	1	2	3	4	1	2	-	-	-	-	-	-	-	-	-	26
Passenger Ship	22	42	22	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	87
Refrigerated Cargo Ship	-	-	3	-	-	2	-	-	-	-	1	-	-	-	-	-	-	-	6
Ro-Ro Cargo Ship	8	16	74	88	25	20	3	4	26	1	39	-	-	-	-	-	-	-	304
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Ship	-	12	22	12	13	30	19	78	72	112	22	85	32	7	65	20	11	4	616
Towing Vessel	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Other a/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	35	92	208	156	78	87	159	185	228	232	275	268	46	10	67	20	11	4	2,161
2003 Total arrivals																			
Bulk Carrier	1	9	21	47	7	36	27	51	71	61	37	8	14	2	-	-	-	-	392
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	1	-	6	6	-	15	9	7	-	-	-	44
Container Ship	2	22	197	84	85	45	296	192	257	234	500	393	-	-	-	-	-	-	2,307
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	9	16	4	5	8	10	6	1	3	2	-	-	-	-	-	-	-	-	64
Passenger Ship	61	122	48	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	239
Refrigerated Cargo Ship	-	-	8	-	-	7	-	-	-	-	5	-	-	-	-	-	-	-	20
Ro-Ro Cargo Ship	25	47	188	205	56	45	3	10	58	5	90	-	-	-	-	-	-	-	732
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Ship	3	24	42	38	33	59	57	177	168	269	49	167	75	22	145	56	25	10	1,419
Towing Vessel	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Other a/	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4
Total	105	241	508	387	189	202	389	432	557	577	687	568	104	33	152	56	25	10	5,222

a/ Other includes fishing vessels, industrial vessels, research vessels, school ships.

Source: Prepared by Nathan Associates based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports, 2002-2003.

Table E-31. Arrivals of U.S. Flag Vessels 150 GRT and Above by ANPR Port Area and Vessel DWT, 2002 and 2003
ANPR Port Area: Philadelphia, PA

Year and period	DWT (000s)																	Total	
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150		150+
<u>2002 Restricted period arrivals</u>																			
Bulk Carrier	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	-	-	-	13	-	-	-	-	-	-	-	-	-	-	-	-	-	13
Freight Barge	1	4	1	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13
General Dry Cargo Ship	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Passenger Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Barge	-	2	-	-	-	1	1	-	-	3	1	-	-	-	-	-	-	-	8
Tank Ship	3	-	-	5	-	-	6	21	-	7	-	-	-	-	-	-	-	-	42
Towing Vessel	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12
Other a/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	16	6	2	12	13	1	7	21	-	10	1	-	-	-	-	-	-	-	89
<u>2002 Total arrivals</u>																			
Bulk Carrier	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	-	-	-	18	-	-	-	-	-	-	-	-	-	-	-	-	-	18
Freight Barge	2	11	3	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	34
General Dry Cargo Ship	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Passenger Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Tank Barge	-	2	1	-	1	2	1	-	-	4	1	-	-	-	-	-	-	-	12
Tank Ship	3	-	-	10	-	-	13	49	-	16	-	-	-	-	-	-	-	-	91
Towing Vessel	22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	22
Other a/	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
Total	28	14	5	29	19	2	14	49	-	20	1	-	-	-	-	-	-	-	181
<u>2003 Restricted period arrivals</u>																			
Bulk Carrier	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	1
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Freight Barge	-	1	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
General Dry Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Passenger Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Barge	1	2	2	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10
Tank Ship	3	-	-	2	-	-	4	9	2	4	-	-	-	-	-	-	-	-	24
Towing Vessel	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7
Other a/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	11	3	2	9	-	-	4	9	2	4	-	1	-	-	-	-	-	-	45
<u>2003 Total arrivals</u>																			
Bulk Carrier	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	-	-	2
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Freight Barge	-	4	-	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16
General Dry Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Passenger Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Barge	1	2	2	5	-	1	-	-	-	-	-	-	-	-	-	-	-	-	11
Tank Ship	4	-	-	7	-	-	11	20	6	8	3	-	-	-	-	-	-	-	59
Towing Vessel	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17
Other a/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	22	6	2	24	-	2	11	20	6	8	3	1	-	-	-	-	-	-	105

a/ Other includes fishing vessels, industrial vessels, research vessels, school ships.

Source: Prepared by Nathan Associates based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports, 2002-2003.

Table E-32. Arrivals of Foreign Flag Vessels 150 GRT and Above by ANPR Port Area and Vessel DWT, 2002 and 2003
ANPR Port Area: Philadelphia, PA

Year and period	DWT (000s)																		Total
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+	
<u>2002 Restricted period arrivals</u>																			
Bulk Carrier	2	17	32	12	13	29	22	21	19	23	7	17	4	-	-	-	-	-	218
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	1	15	-	1	-	17
Container Ship	42	31	10	46	46	6	16	2	4	9	18	-	-	-	-	-	-	-	230
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	6	47	33	26	8	11	3	7	2	3	-	-	-	-	-	-	-	-	146
Passenger Ship	3	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	5
Refrigerated Cargo Ship	6	59	39	20	4	3	26	-	-	-	1	-	-	-	-	-	-	-	158
Ro-Ro Cargo Ship	11	2	23	36	10	-	-	-	-	-	-	-	-	-	-	-	-	-	82
Tank Barge	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1
Tank Ship	1	6	25	24	11	11	10	14	14	16	4	29	4	18	74	35	73	52	421
Towing Vessel	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Other a/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	72	163	162	164	93	60	78	44	39	51	30	46	8	19	89	35	74	52	1,279
<u>2002 Total arrivals</u>																			
Bulk Carrier	3	34	66	28	29	59	36	60	40	45	13	31	8	-	-	-	-	-	452
Combination Carrier (e.g. OBO)	-	1	-	-	-	-	-	-	-	-	1	-	-	1	26	-	2	-	31
Container Ship	91	51	23	94	92	7	32	5	9	16	36	-	-	-	-	-	-	-	456
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	12	89	60	53	18	22	8	11	4	9	-	-	-	-	-	-	-	-	286
Passenger Ship	5	2	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	8
Refrigerated Cargo Ship	7	103	71	38	6	5	51	-	-	-	4	-	-	-	-	-	-	-	285
Ro-Ro Cargo Ship	20	6	44	67	19	-	-	-	-	-	-	-	-	-	-	-	-	-	156
Tank Barge	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1
Tank Ship	2	21	55	47	23	19	15	31	21	30	8	63	10	29	159	63	153	112	861
Towing Vessel	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Other a/	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
Total	144	307	319	327	188	112	143	107	74	100	62	94	18	30	185	63	155	112	2,540
<u>2003 Restricted period arrivals</u>																			
Bulk Carrier	-	14	9	15	9	32	12	32	17	19	7	2	3	-	-	-	-	-	171
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	-	-	-	6
Container Ship	25	56	8	39	38	2	16	7	8	11	37	-	-	-	-	-	-	-	247
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	5	37	27	22	2	5	7	2	1	2	-	-	-	-	-	-	-	-	110
Passenger Ship	7	7	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16
Refrigerated Cargo Ship	3	58	114	22	2	-	23	-	-	-	5	-	-	-	-	-	-	-	227
Ro-Ro Cargo Ship	7	1	23	37	6	-	-	-	-	-	-	-	-	-	-	-	-	-	74
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Ship	-	3	9	14	11	8	14	26	10	23	4	25	2	10	75	46	71	62	413
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Total	48	176	192	149	68	47	72	67	36	55	53	27	5	10	81	46	71	62	1,265
<u>2003 Total arrivals</u>																			
Bulk Carrier	-	32	22	31	18	49	16	53	38	33	15	8	7	-	-	-	-	-	322
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	1	-	-	-	-	14	2	-	2	19
Container Ship	51	106	15	78	74	5	27	14	13	19	75	1	-	-	-	-	-	-	478
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	11	64	42	39	6	10	13	5	3	3	-	-	-	-	-	-	-	-	196
Passenger Ship	11	13	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	26
Refrigerated Cargo Ship	3	114	186	43	4	-	47	-	-	-	9	-	-	-	-	-	-	-	406
Ro-Ro Cargo Ship	11	3	57	68	11	-	-	-	-	-	-	-	-	-	-	-	-	-	150
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Ship	-	17	25	32	18	11	26	45	21	48	5	40	5	16	153	100	143	121	826
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
Total	89	349	349	291	131	75	129	117	75	104	104	49	12	16	167	102	143	123	2,425

a/ Other includes fishing vessels, industrial vessels, research vessels, school ships.

Source: Prepared by Nathan Associates based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports, 2002-2003.

Table E-33. Arrivals of U.S. Flag Vessels 150 GRT and Above by ANPR Port Area and Vessel DWT, 2002 and 2003
ANPR Port Area: Baltimore, MD

Year and period	DWT (000s)																	Total	
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150		150+
<u>2002 Restricted period arrivals</u>																			
Bulk Carrier	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	-	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	2
Passenger Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	-	-	-	19	5	5	1	-	-	-	-	-	-	-	-	-	-	-	30
Tank Barge	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
Tank Ship	1	-	-	-	-	-	2	1	-	5	-	-	-	-	-	-	-	-	9
Towing Vessel	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8
Other a/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	11	-	-	19	6	5	3	2	-	5	-	-	-	-	-	-	-	-	51
<u>2002 Total arrivals</u>																			
Bulk Carrier	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	2
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	-	1	-	-	1	1	-	1	-	-	-	-	-	-	-	-	-	-	4
Passenger Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	-	1	1	40	18	13	1	-	-	-	-	-	-	-	-	-	-	-	74
Tank Barge	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5
Tank Ship	2	-	-	-	-	-	2	2	-	9	-	-	-	-	-	-	-	-	15
Towing Vessel	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16
Other a/	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
Total	26	2	1	40	19	14	3	3	-	9	-	-	-	-	2	-	-	-	119
<u>2003 Restricted period arrivals</u>																			
Bulk Carrier	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Passenger Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	-	-	-	15	7	3	-	-	-	-	-	-	-	-	-	-	-	-	25
Tank Barge	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Tank Ship	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	3
Towing Vessel	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4
Other a/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	4	2	1	15	7	4	-	-	-	3	-	-	-	-	-	-	-	-	36
<u>2003 Total arrivals</u>																			
Bulk Carrier	-	3	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	4
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	-	-	-	-	3	2	-	-	-	-	-	-	-	-	-	-	-	5
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	-	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
Passenger Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	-	-	1	30	17	4	-	-	-	-	-	-	-	-	-	-	-	-	52
Tank Barge	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
Tank Ship	-	-	-	1	-	-	3	-	-	8	-	-	-	-	-	-	-	-	12
Towing Vessel	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9
Other a/	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Total	11	5	3	31	17	7	5	-	-	8	-	-	-	-	1	-	-	-	88

a/ Other includes fishing vessels, industrial vessels, research vessels, school ships.

Source: Prepared by Nathan Associates based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports, 2002-2003.

Table E-34. Arrivals of Foreign Flag Vessels 150 GRT and Above by ANPR Port Area and Vessel DWT, 2002 and 2003
ANPR Port Area: Baltimore, MD

Year and period	DWT (000s)																		Total
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+	
<u>2002 Restricted period arrivals</u>																			
Bulk Carrier	2	14	14	12	5	7	7	5	5	5	2	16	34	-	-	1	6	2	137
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	1	-	-	1	1	-	-	-	-	3
Container Ship	2	2	-	5	5	23	41	14	36	13	35	-	-	-	-	-	-	-	176
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	7	12	10	19	24	7	1	-	10	7	-	-	-	-	-	-	-	-	97
Passenger Ship	1	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10
Refrigerated Cargo Ship	-	3	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6
Ro-Ro Cargo Ship	1	1	80	63	35	16	8	8	10	2	22	-	-	-	-	-	-	-	246
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Ship	-	8	6	2	4	5	5	2	3	12	1	8	3	-	1	-	-	-	60
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6
Total	13	55	113	101	73	58	62	29	64	40	60	24	38	1	1	1	6	2	741
<u>2002 Total arrivals</u>																			
Bulk Carrier	6	29	34	29	11	20	15	12	12	12	8	38	88	2	-	1	11	5	333
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	1	-	-	3	1	-	-	-	-	5
Container Ship	2	4	1	8	8	49	103	30	80	35	94	-	-	-	-	-	-	-	414
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	12	39	26	38	64	10	2	-	24	16	-	-	-	-	-	-	-	-	231
Passenger Ship	6	29	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	37
Refrigerated Cargo Ship	-	5	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12
Ro-Ro Cargo Ship	4	2	204	164	84	42	23	18	29	5	55	-	-	-	-	-	-	-	630
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Ship	-	14	20	8	10	20	15	7	9	31	1	11	4	-	2	-	-	-	152
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	2	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13
Total	32	133	292	247	179	141	158	67	154	100	158	49	95	3	2	1	11	5	1,827
<u>2003 Restricted period arrivals</u>																			
Bulk Carrier	-	10	8	9	6	11	5	16	6	12	8	21	30	4	-	-	-	1	147
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	1	-	-	-	-	2	-	-	-	-	-	3
Container Ship	4	6	-	3	4	11	43	11	34	14	28	-	-	-	-	-	-	-	158
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	4	14	7	16	27	2	1	3	1	7	-	-	-	-	-	-	-	-	82
Passenger Ship	-	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12
Refrigerated Cargo Ship	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
Ro-Ro Cargo Ship	4	-	109	87	26	20	3	6	20	1	19	-	-	-	-	-	-	-	295
Tank Barge	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Tank Ship	-	4	6	4	2	3	3	2	4	21	2	12	12	-	3	1	-	7	86
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	6	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	7
Total	12	52	134	119	65	47	56	39	65	55	57	33	44	4	3	1	-	8	794
<u>2003 Total arrivals</u>																			
Bulk Carrier	1	20	28	16	10	28	13	29	12	20	20	32	76	7	-	-	2	2	316
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	2	-	-	1	-	4	1	-	-	-	-	8
Container Ship	7	11	1	10	13	26	102	26	74	32	72	1	-	-	-	-	-	-	375
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	8	33	22	38	62	5	3	7	14	19	-	-	-	-	-	-	-	-	211
Passenger Ship	6	35	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	41
Refrigerated Cargo Ship	-	3	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7
Ro-Ro Cargo Ship	9	-	233	183	69	42	5	15	36	6	44	-	-	-	-	-	-	-	642
Tank Barge	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4
Tank Ship	1	13	19	15	3	3	7	4	14	49	7	16	25	-	3	2	-	10	191
Towing Vessel	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5
Other a/	1	15	6	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	25
Total	38	130	317	262	157	104	133	83	150	126	144	49	105	8	3	2	2	12	1,825

a/ Other includes fishing vessels, industrial vessels, research vessels, school ships.

Source: Prepared by Nathan Associates based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports, 2002-2003.

Table E-35. Arrivals of U.S. Flag Vessels 150 GRT and Above by ANPR Port Area and Vessel DWT, 2002 and 2003
ANPR Port Area: Hampton Roads, VA

Year and period	DWT (000s)																	Total	
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150		150+
<u>2002 Restricted period arrivals</u>																			
Bulk Carrier	7	-	-	-	-	-	1	4	-	-	-	-	-	-	-	-	-	-	12
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	6	-	-	2	-	-	17	7	23	8	10	6	-	-	-	-	-	-	79
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1
Passenger Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	2
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Ship	-	-	-	-	-	-	2	3	-	1	-	-	-	-	-	-	-	-	6
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
Total																			-
<u>2002 Total arrivals</u>																			
Bulk Carrier	15	2	-	-	-	-	1	17	-	-	-	-	-	-	-	-	-	-	35
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	16	-	-	9	1	-	39	17	52	21	21	16	-	-	-	-	-	-	192
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	1	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	3
Passenger Ship	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	2	-	3	-	6	-	-	-	-	-	-	-	-	-	-	-	-	-	11
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Ship	-	-	-	-	-	-	4	4	1	1	-	-	-	-	-	-	-	-	10
Towing Vessel	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
Other a/	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4
Total	42	2	3	9	7	2	44	38	53	22	21	16	-	-	-	-	-	-	259
<u>2003 Restricted period arrivals</u>																			
Bulk Carrier	6	-	-	-	-	-	-	5	-	-	-	-	-	-	-	-	-	-	11
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	7	-	-	1	-	1	18	7	21	5	8	10	-	-	-	-	-	-	78
Freight Barge	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
General Dry Cargo Ship	-	-	-	-	-	3	1	-	-	-	-	-	-	-	-	-	-	-	4
Passenger Ship	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	-	-	-	2	2	1	-	-	-	-	-	-	-	-	-	-	-	-	5
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Ship	1	-	-	-	-	-	8	-	-	1	-	-	-	-	-	-	-	-	10
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
Total	18	1	-	3	2	5	27	12	21	6	8	10	-	-	-	-	-	-	113
<u>2003 Total arrivals</u>																			
Bulk Carrier	13	1	-	-	-	-	1	17	-	-	-	-	-	-	-	-	-	-	32
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	16	-	-	3	-	5	40	17	51	12	21	25	-	-	-	-	-	-	190
Freight Barge	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
General Dry Cargo Ship	-	-	1	2	1	6	2	-	-	-	-	-	-	-	-	-	-	-	12
Passenger Ship	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	-	-	-	3	5	3	-	-	-	-	-	-	-	-	-	-	-	-	11
Tank Barge	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Tank Ship	1	-	-	-	-	-	13	-	1	4	2	-	-	-	-	-	-	-	21
Towing Vessel	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
Other a/	9	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11
Total	44	5	1	8	6	14	56	34	52	16	23	25	-	-	-	-	-	-	284

a/ Other includes fishing vessels, industrial vessels, research vessels, school ships.

Source: Prepared by Nathan Associates based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports, 2002-2003.

Table E-36. Arrivals of Foreign Flag Vessels 150 GRT and Above by ANPR Port Area and Vessel DWT, 2002 and 2003
ANPR Port Area: Hampton Roads, VA

Year and period	DWT (000s)																		Total
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+	
<u>2002 Restricted period arrivals</u>																			
Bulk Carrier	-	12	2	10	10	6	13	15	9	4	5	13	18	2	1	1	2	4	127
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	2	2	1	-	-	-	5
Container Ship	1	8	15	21	60	22	61	33	77	70	160	88	-	-	-	-	-	-	616
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	9	20	11	1	3	12	8	6	5	2	-	-	-	-	-	-	-	-	77
Passenger Ship	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
Refrigerated Cargo Ship	-	1	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	3
Ro-Ro Cargo Ship	2	-	14	7	9	3	3	4	12	-	23	-	-	-	-	-	-	-	77
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Ship	-	4	5	11	2	5	-	4	2	2	1	12	11	5	7	8	1	1	81
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Total	14	47	47	50	84	50	85	62	105	78	189	113	31	9	9	9	3	5	990
<u>2002 Total arrivals</u>																			
Bulk Carrier	2	33	8	23	17	16	26	29	35	12	7	27	46	5	1	1	9	13	310
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	8	6	1	1	-	-	16
Container Ship	1	17	42	51	145	46	146	77	213	187	386	216	-	-	-	-	-	-	1,527
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	23	48	32	8	16	22	21	14	15	2	-	-	-	-	-	-	-	-	201
Passenger Ship	7	12	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	21
Refrigerated Cargo Ship	-	3	2	-	-	5	-	-	-	-	-	-	-	-	-	-	-	-	10
Ro-Ro Cargo Ship	6	8	21	17	22	4	10	8	25	2	53	-	1	-	-	-	-	-	177
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Ship	1	9	15	26	7	8	8	9	8	10	8	27	19	6	13	14	2	4	194
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	4	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5
Total	44	131	120	125	209	101	211	137	296	213	454	270	74	17	15	16	11	17	2,461
<u>2003 Restricted period arrivals</u>																			
Bulk Carrier	1	7	7	7	8	7	8	8	9	6	2	15	31	4	-	2	3	1	126
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	6	1	-	1	-	-	8
Container Ship	1	13	19	24	39	15	76	46	81	49	150	109	-	-	-	-	-	-	622
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	4	13	11	5	1	7	8	2	2	-	-	-	-	-	-	-	-	-	53
Passenger Ship	-	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
Refrigerated Cargo Ship	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Ro-Ro Cargo Ship	1	1	4	10	8	4	1	3	9	-	16	-	-	-	-	-	-	-	57
Tank Barge	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4
Tank Ship	-	6	5	5	3	7	2	3	4	16	-	18	11	2	5	-	3	7	97
Towing Vessel	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Other a/	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1
Total	8	41	53	51	59	40	96	62	105	71	168	142	48	7	5	3	6	8	973
<u>2003 Total arrivals</u>																			
Bulk Carrier	2	19	16	12	15	20	13	28	27	12	6	30	73	6	-	2	9	2	292
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	1	-	-	2	-	17	7	2	3	-	-	32
Container Ship	2	33	46	53	93	33	209	121	211	125	349	256	-	-	-	-	-	-	1,531
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	8	29	29	10	9	11	17	8	6	2	-	-	-	-	-	-	-	-	129
Passenger Ship	4	15	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	28
Refrigerated Cargo Ship	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Ro-Ro Cargo Ship	4	3	18	24	24	5	2	8	22	2	49	-	1	-	-	-	-	-	162
Tank Barge	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4
Tank Ship	1	12	12	5	7	8	8	5	8	27	5	29	18	6	10	8	12	8	189
Towing Vessel	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
Other a/	-	-	1	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	3
Total	24	111	136	104	148	77	251	171	274	168	411	315	109	19	12	13	21	10	2,374

a/ Other includes fishing vessels, industrial vessels, research vessels, school ships.

Source: Prepared by Nathan Associates based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports, 2002-2003.

Table E-37. Arrivals of U.S. Flag Vessels 150 GRT and Above by ANPR Port Area and Vessel DWT, 2002 and 2003
ANPR Port Area: Morehead City, NC

Year and period	DWT (000s)																		Total
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+	
<u>2002 Restricted period arrivals</u>																			
Bulk Carrier	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Passenger Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	2
<u>2002 Total arrivals</u>																			
Bulk Carrier	-	1	-	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-	3
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Passenger Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
Tank Barge	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Tank Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	1	1	3	1	-	1	-	-	1	-	-	-	-	-	-	-	-	8
<u>2003 Restricted period arrivals</u>																			
Bulk Carrier	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Passenger Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Total	1	-	1	1	-	-	-	-	-	1	-	-	-	-	-	-	-	-	4
<u>2003 Total arrivals</u>																			
Bulk Carrier	-	-	-	-	-	1	2	-	-	3	-	-	-	-	-	-	-	-	6
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1
Passenger Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	-	-	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Ship	-	-	-	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-	4
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Total	1	-	3	1	-	2	6	-	-	3	-	-	-	-	-	-	-	-	16

a/ Other includes fishing vessels, industrial vessels, research vessels, school ships.

Source: Prepared by Nathan Associates based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports, 2002-2003.

Table E-38. Arrivals of Foreign Flag Vessels 150 GRT and Above by ANPR Port Area and Vessel DWT, 2002 and 2003
ANPR Port Area: Morehead City, NC

Year and period	DWT (000s)																	Total	
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150		150+
<u>2002 Restricted period arrivals</u>																			
Bulk Carrier	-	2	-	-	2	2	-	-	-	-	-	-	-	-	-	-	-	-	6
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	1
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	-	2	1	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	5
Passenger Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Ship	-	-	1	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	3
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	4	2	1	2	5	-	-	1	-	-	-	-	-	-	-	-	-	15
<u>2002 Total arrivals</u>																			
Bulk Carrier	1	4	-	-	5	2	1	-	1	-	-	1	-	-	-	-	-	-	15
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	2	-	-	-	1	-	-	-	4	-	-	-	-	-	-	-	-	-	7
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	4	2	1	1	1	2	-	-	-	-	-	-	-	-	-	-	-	-	11
Passenger Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Ship	-	-	2	3	1	8	1	-	-	-	-	-	-	-	-	-	-	-	15
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	7	6	3	4	8	12	2	-	5	-	-	1	-	-	-	-	-	-	48
<u>2003 Restricted period arrivals</u>																			
Bulk Carrier	-	2	-	-	3	3	-	-	-	-	1	-	-	-	-	-	-	-	9
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	2	-	-	-	1	1	-	-	2	-	-	-	-	-	-	-	-	-	6
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	5	2	-	2	1	4	-	1	-	-	-	-	-	-	-	-	-	-	15
Passenger Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Refrigerated Cargo Ship	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Ro-Ro Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Ship	-	-	-	2	-	9	2	1	-	-	-	1	-	-	-	-	-	-	15
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Total	9	4	-	4	5	17	2	2	2	-	1	1	-	-	-	-	-	-	47
<u>2003 Total arrivals</u>																			
Bulk Carrier	-	3	1	-	3	7	4	-	-	-	2	2	1	-	-	-	-	-	23
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	2	1	-	-	4	1	-	-	7	-	-	-	-	-	-	-	-	-	15
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	7	3	-	2	5	12	-	1	1	-	-	-	-	-	-	-	-	-	31
Passenger Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Refrigerated Cargo Ship	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
Ro-Ro Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Ship	-	-	3	3	2	22	3	2	-	2	-	1	-	-	-	-	-	-	38
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Total	11	8	4	5	14	42	7	3	8	2	2	3	1	-	-	-	-	-	111

a/ Other includes fishing vessels, industrial vessels, research vessels, school ships.

Source: Prepared by Nathan Associates based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports, 2002-2003.

Table E-39. Arrivals of U.S. Flag Vessels 150 GRT and Above by ANPR Port Area and Vessel DWT, 2002 and 2003
ANPR Port Area: Wilmington, NC

Year and period	DWT (000s)																		Total
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+	
<u>2002 Restricted period arrivals</u>																			
Bulk Carrier	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	-	-	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	2
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	1
Passenger Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Tank Barge	-	5	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10
Tank Ship	9	-	-	-	-	-	3	-	7	3	-	-	-	-	-	-	-	-	22
Towing Vessel	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Other a/	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Total	11	5	4	3	-	-	3	-	8	3	1	-	-	-	-	-	-	-	38
<u>2002 Total arrivals</u>																			
Bulk Carrier	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	3
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	-	-	4	-	-	3	-	-	-	1	-	-	-	-	-	-	-	8
Freight Barge	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	2
General Dry Cargo Ship	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	1
Passenger Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	-	-	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6
Tank Barge	-	10	3	10	3	-	-	-	-	-	-	-	-	-	-	-	-	-	26
Tank Ship	21	-	-	3	-	-	5	-	14	7	-	-	-	-	-	-	-	-	50
Towing Vessel	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4
Other a/	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
Total	28	10	9	17	4	-	11	-	15	7	1	-	-	-	-	-	-	-	102
<u>2003 Restricted period arrivals</u>																			
Bulk Carrier	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	2
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	2
Passenger Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	-	1	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	3
Tank Barge	-	4	-	6	1	-	-	-	-	-	-	-	-	-	-	-	-	-	11
Tank Ship	9	-	-	-	-	-	-	-	9	-	-	-	-	-	-	-	-	-	18
Towing Vessel	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Other a/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	10	5	-	7	3	-	2	-	9	2	-	-	-	-	-	-	-	-	38
<u>2003 Total arrivals</u>																			
Bulk Carrier	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	2
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	-	-	9	-	-	4	-	-	-	1	-	-	-	-	-	-	-	14
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	-	-	-	-	1	1	2	-	-	-	-	-	-	-	-	-	-	-	4
Passenger Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	-	2	-	-	2	-	3	-	-	-	-	-	-	-	-	-	-	-	7
Tank Barge	-	6	-	10	2	-	-	-	-	-	-	-	-	-	-	-	-	-	18
Tank Ship	20	-	-	-	-	-	2	-	22	1	-	-	-	-	-	-	-	-	45
Towing Vessel	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Other a/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	21	8	-	19	5	1	11	-	22	3	1	-	-	-	-	-	-	-	91

a/ Other includes fishing vessels, industrial vessels, research vessels, school ships.

Source: Prepared by Nathan Associates based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports, 2002-2003.

Table E-40. Arrivals of Foreign Flag Vessels 150 GRT and Above by ANPR Port Area and Vessel DWT, 2002 and 2003
ANPR Port Area: Wilmington, NC

Year and period	DWT (000s)																		Total
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+	
<u>2002 Restricted period arrivals</u>																			
Bulk Carrier	4	6	2	6	6	16	8	4	5	6	1	-	-	-	-	-	-	-	64
Combination Carrier (e.g. OBO)	-	1	-	-	-	-	-	-	-	2	-	-	1	-	-	-	-	-	4
Container Ship	-	-	-	-	2	2	-	5	11	8	-	13	-	-	-	-	-	-	41
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	15	6	6	9	3	3	-	3	11	5	-	-	-	-	-	-	-	-	61
Passenger Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	1	1	2	1	-	-	-	-	7	-	-	-	-	-	-	-	-	-	12
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Ship	-	5	15	12	3	12	9	4	3	17	5	5	-	-	-	-	-	-	90
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	20	19	25	28	14	33	17	16	37	38	6	18	1	-	-	-	-	-	272
<u>2002 Total arrivals</u>																			
Bulk Carrier	12	11	8	11	12	30	13	10	12	12	2	1	1	-	-	-	-	-	135
Combination Carrier (e.g. OBO)	-	1	-	-	-	-	-	-	-	5	-	-	1	-	-	-	-	-	7
Container Ship	2	-	4	-	3	4	-	9	33	17	-	32	-	-	-	-	-	-	104
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	30	16	15	16	6	7	1	6	23	11	-	-	-	-	-	-	-	-	131
Passenger Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Refrigerated Cargo Ship	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Ro-Ro Cargo Ship	3	2	2	1	-	-	-	-	20	-	-	-	-	-	-	-	-	-	28
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Ship	1	10	42	23	11	24	19	20	13	42	11	12	-	-	-	-	-	-	228
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Total	49	41	71	51	32	65	33	45	101	87	13	45	2	-	-	-	-	-	635
<u>2003 Restricted period arrivals</u>																			
Bulk Carrier	5	4	1	7	-	8	4	7	7	2	4	-	1	-	-	-	-	-	50
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	2	-	-	1	-	-	-	-	-	3
Container Ship	2	1	1	1	1	2	1	2	9	8	7	3	-	-	-	-	-	-	38
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	9	7	3	6	3	1	3	3	10	4	-	-	-	-	-	-	-	-	49
Passenger Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Refrigerated Cargo Ship	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Ro-Ro Cargo Ship	-	-	-	1	-	-	-	-	5	-	1	-	-	-	-	-	-	-	7
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Ship	-	-	17	6	4	7	7	11	7	20	3	6	-	-	-	-	-	-	88
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	16	13	22	21	8	18	15	23	38	36	15	9	2	-	-	-	-	-	236
<u>2003 Total arrivals</u>																			
Bulk Carrier	12	12	7	10	2	21	7	13	15	6	5	-	1	-	-	-	-	-	111
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	7	-	-	1	-	-	-	-	-	8
Container Ship	3	2	3	1	1	2	1	6	21	26	15	3	-	-	-	-	-	-	84
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	16	13	6	15	6	4	5	8	31	11	-	-	-	-	-	-	-	-	115
Passenger Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Refrigerated Cargo Ship	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Ro-Ro Cargo Ship	1	-	-	2	1	-	-	-	15	-	1	-	-	-	-	-	-	-	20
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Ship	-	-	38	14	12	12	19	29	10	52	7	21	-	1	-	-	-	-	215
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Total	32	28	55	42	22	39	32	56	92	102	28	24	2	1	-	-	-	-	555

a/ Other includes fishing vessels, industrial vessels, research vessels, school ships.

Source: Prepared by Nathan Associates based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports, 2002-2003.

Table E-41. Arrivals of U.S. Flag Vessels 150 GRT and Above by ANPR Port Area and Vessel DWT, 2002 and 2003
ANPR Port Area: Georgetown, SC

Year and period	DWT (000s)																		Total
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+	
<u>2002 Restricted period arrivals</u>																			
Bulk Carrier	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Passenger Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1
<u>2002 Total arrivals</u>																			
Bulk Carrier	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	-	-	-	-	-	-	1	-	-	1	-	-	-	-	-	-	-	2
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Passenger Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	1	-	-	1	-	-	-	-	-	-	-	2
<u>2003 Restricted period arrivals</u>																			
Bulk Carrier	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Passenger Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<u>2003 Total arrivals</u>																			
Bulk Carrier	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Passenger Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

a/ Other includes fishing vessels, industrial vessels, research vessels, school ships.

Source: Prepared by Nathan Associates based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports, 2002-2003.

Table E-42. Arrivals of Foreign Flag Vessels 150 GRT and Above by ANPR Port Area and Vessel DWT, 2002 and 2003
ANPR Port Area: Georgetown, SC

Year and period	DWT (000s)																	Total	
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150		150+
<u>2002 Restricted period arrivals</u>																			
Bulk Carrier	-	3	5	2	-	2	2	1	1	-	3	-	-	-	-	-	-	-	19
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	-	2	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	5
Passenger Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	5	5	3	-	2	2	1	4	1	3	-	-	-	-	-	-	-	26
<u>2002 Total arrivals</u>																			
Bulk Carrier	-	10	11	3	1	5	6	3	3	3	3	-	-	-	-	-	-	-	48
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	4	-	-	-	-	-	-	-	-	4
Container Ship	1	-	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	3
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	-	6	1	1	-	-	-	1	6	5	-	-	-	-	-	-	-	-	20
Passenger Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	1	16	12	5	1	5	6	4	9	13	3	1	-	-	-	-	-	-	76
<u>2003 Restricted period arrivals</u>																			
Bulk Carrier	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Passenger Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<u>2003 Total arrivals</u>																			
Bulk Carrier	-	-	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	2
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1
Passenger Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	1	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	3

a/ Other includes fishing vessels, industrial vessels, research vessels, school ships.

Source: Prepared by Nathan Associates based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports, 2002-2003.

Table E-43. Arrivals of U.S. Flag Vessels 150 GRT and Above by ANPR Port Area and Vessel DWT, 2002 and 2003
ANPR Port Area: Charleston, SC

Year and period	DWT (000s)																	Total	
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150		150+
<u>2002 Restricted period arrivals</u>																			
Bulk Carrier	-	-	-	-	-	-	1	-	-	6	-	-	-	-	-	-	-	-	7
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	-	-	2	2	-	25	11	59	10	66	9	-	-	-	-	-	-	184
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	1	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	3
Passenger Ship	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	-	-	1	11	5	6	1	-	-	-	-	-	-	-	-	-	-	-	24
Tank Barge	-	1	-	1	18	-	1	-	-	-	-	-	-	-	-	-	-	-	21
Tank Ship	-	-	-	-	-	-	-	6	11	2	-	-	-	-	-	-	-	-	19
Towing Vessel	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13
Other a/	4	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5
Total	20	2	1	15	25	7	28	17	70	18	66	9	-	-	-	-	-	-	278
<u>2002 Total arrivals</u>																			
Bulk Carrier	-	2	-	-	-	-	1	-	-	11	-	-	-	-	-	-	-	-	14
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	-	-	5	4	-	41	20	103	20	115	16	-	-	-	-	-	-	324
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	1	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	3
Passenger Ship	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	-	2	1	19	12	11	1	-	-	-	-	-	-	-	-	-	-	-	46
Tank Barge	-	1	-	2	30	-	2	-	-	-	-	-	-	-	-	-	-	-	35
Tank Ship	1	-	-	1	-	-	3	7	16	3	-	-	-	-	-	-	-	-	31
Towing Vessel	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18
Other a/	6	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7
Total	28	6	1	28	46	12	48	27	119	34	115	16	-	-	-	-	-	-	480
<u>2003 Restricted period arrivals</u>																			
Bulk Carrier	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	-	-	-	-	2	28	10	58	17	56	17	-	-	-	-	-	-	188
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1
Passenger Ship	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	1	1	-	12	9	4	1	-	-	-	-	-	-	-	-	-	-	-	28
Tank Barge	-	-	4	3	9	-	1	-	-	-	-	-	-	-	-	-	-	-	17
Tank Ship	1	-	-	-	-	-	5	13	6	1	-	-	-	-	-	-	-	-	26
Towing Vessel	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13
Other a/	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
Total	20	1	4	15	18	7	35	23	64	18	56	17	-	-	-	-	-	-	278
<u>2003 Total arrivals</u>																			
Bulk Carrier	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	-	-	1	-	7	57	16	102	30	89	27	-	-	-	-	-	-	329
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	2
Passenger Ship	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	1	3	-	20	14	6	3	-	-	-	-	-	-	-	-	-	-	-	47
Tank Barge	-	-	4	3	10	-	1	-	-	-	-	-	-	-	-	-	-	-	18
Tank Ship	1	-	-	-	-	-	8	23	16	2	-	-	-	-	-	-	-	-	50
Towing Vessel	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16
Other a/	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
Total	24	3	4	25	24	14	69	39	118	32	89	27	-	-	-	-	-	-	468

a/ Other includes fishing vessels, industrial vessels, research vessels, school ships.

Source: Prepared by Nathan Associates based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports, 2002-2003.

Table E-44. Arrivals of Foreign Flag Vessels 150 GRT and Above by ANPR Port Area and Vessel DWT, 2002 and 2003
ANPR Port Area: Charleston, SC

Year and period	DWT (000s)																	Total	
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150		150+
<u>2002 Restricted period arrivals</u>																			
Bulk Carrier	3	2	6	16	2	3	8	15	22	9	5	2	12	1	-	-	-	-	106
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	3	3	23	9	30	39	122	63	75	85	187	99	-	-	-	-	-	-	738
Freight Barge	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
General Dry Cargo Ship	3	9	6	10	5	5	4	19	27	2	-	-	-	-	-	-	-	-	90
Passenger Ship	8	11	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	21
Refrigerated Cargo Ship	-	2	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4
Ro-Ro Cargo Ship	-	1	45	24	4	32	-	1	-	1	7	-	-	-	-	-	-	-	115
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Ship	-	-	5	4	2	-	2	6	14	34	7	6	-	-	-	-	-	-	80
Towing Vessel	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Other a/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	18	28	87	65	44	79	136	104	138	131	206	107	12	1	-	-	-	-	1,156
<u>2002 Total arrivals</u>																			
Bulk Carrier	3	2	8	30	3	7	20	34	40	14	10	6	18	1	-	-	-	-	196
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	-	2
Container Ship	4	5	46	13	53	53	208	118	147	150	340	171	-	-	-	-	-	-	1,308
Freight Barge	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
General Dry Cargo Ship	7	15	7	15	8	6	5	26	49	4	-	-	-	-	-	-	-	-	142
Passenger Ship	11	18	-	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	32
Refrigerated Cargo Ship	-	3	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5
Ro-Ro Cargo Ship	-	3	72	42	7	55	-	1	-	1	11	-	-	-	-	-	-	-	192
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Ship	-	2	9	10	4	2	4	15	23	58	13	11	-	-	-	-	-	-	151
Towing Vessel	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Other a/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	26	48	144	112	77	123	237	195	259	228	374	188	18	1	-	-	-	-	2,030
<u>2003 Restricted period arrivals</u>																			
Bulk Carrier	1	6	3	21	5	7	10	16	19	4	2	4	9	-	-	-	-	-	107
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	2	4	25	11	14	16	117	99	87	53	196	91	-	5	-	-	-	-	720
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	3	7	2	5	3	6	6	5	17	7	-	-	-	-	-	-	-	-	61
Passenger Ship	3	21	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	26
Refrigerated Cargo Ship	-	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
Ro-Ro Cargo Ship	-	2	28	44	10	16	-	3	7	-	4	-	-	-	-	-	-	-	114
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Ship	-	1	6	-	-	5	1	5	14	43	3	16	-	1	-	-	-	-	95
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	9	43	67	81	32	50	134	128	144	107	205	111	9	6	-	-	-	-	1,126
<u>2003 Total arrivals</u>																			
Bulk Carrier	1	13	4	30	6	10	12	27	34	9	4	8	12	-	-	-	-	-	170
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	2
Container Ship	3	9	43	17	23	24	204	163	151	86	338	158	-	5	-	-	-	-	1,224
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	4	16	2	5	6	6	9	7	29	12	-	-	-	-	-	-	-	-	96
Passenger Ship	8	26	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	38
Refrigerated Cargo Ship	-	6	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7
Ro-Ro Cargo Ship	2	2	49	70	15	26	-	3	11	-	8	-	-	-	-	-	-	-	186
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Ship	-	1	11	1	-	7	4	10	29	69	11	24	-	1	-	-	-	-	168
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
Total	18	74	115	123	50	73	229	212	254	176	361	190	12	6	-	-	-	-	1,894

a/ Other includes fishing vessels, industrial vessels, research vessels, school ships.

Source: Prepared by Nathan Associates based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports, 2002-2003.

Table E-45. Arrivals of U.S. Flag Vessels 150 GRT and Above by ANPR Port Area and Vessel DWT, 2002 and 2003
ANPR Port Area: Savannah, GA

Year and period	DWT (000s)																		Total
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+	
<u>2002 Restricted period arrivals</u>																			
Bulk Carrier	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	-	-	-	-	-	7	-	-	4	10	-	-	5	-	-	-	-	26
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1
Passenger Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Tank Barge	-	3	1	2	-	-	-	-	-	1	-	-	-	-	-	-	-	-	7
Tank Ship	-	-	-	2	-	-	2	12	4	1	-	-	-	-	-	-	-	-	21
Towing Vessel	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10
Other a/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	10	3	1	5	-	1	9	12	4	6	10	-	-	5	-	-	-	-	66
<u>2002 Total arrivals</u>																			
Bulk Carrier	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	-	-	-	-	-	12	-	-	10	23	-	-	10	-	-	-	-	55
Freight Barge	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
General Dry Cargo Ship	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1
Passenger Ship	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
Tank Barge	-	7	1	2	-	-	3	-	-	1	-	-	-	-	-	-	-	-	14
Tank Ship	2	-	-	7	-	-	5	29	6	2	-	-	-	-	-	-	-	-	51
Towing Vessel	22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	22
Other a/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	27	7	1	11	-	1	21	29	6	13	23	-	-	10	-	-	-	-	149
<u>2003 Restricted period arrivals</u>																			
Bulk Carrier	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	-	-	-	-	-	3	-	-	2	6	-	-	4	-	-	-	-	15
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Passenger Ship	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Tank Barge	-	3	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4
Tank Ship	-	-	-	-	-	-	4	16	2	1	-	-	-	-	-	-	-	-	23
Towing Vessel	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
Other a/	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
Total	5	3	-	1	1	-	7	16	2	3	6	-	-	4	-	-	-	-	48
<u>2003 Total arrivals</u>																			
Bulk Carrier	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	-	-	-	-	-	9	-	-	2	13	-	-	7	-	-	-	-	31
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	1
Passenger Ship	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	2
Tank Barge	-	3	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4
Tank Ship	-	-	-	-	-	-	5	30	13	1	-	-	-	-	-	-	-	-	49
Towing Vessel	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6
Other a/	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
Total	10	4	-	1	1	2	14	30	13	3	13	-	-	7	-	-	-	-	98

a/ Other includes fishing vessels, industrial vessels, research vessels, school ships.

Source: Prepared by Nathan Associates based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports, 2002-2003.

Table E-46. Arrivals of Foreign Flag Vessels 150 GRT and Above by ANPR Port Area and Vessel DWT, 2002 and 2003
ANPR Port Area: Savannah, GA

Year and period	DWT (000s)																	Total	
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150		150+
<u>2002 Restricted period arrivals</u>																			
Bulk Carrier	1	24	8	18	13	23	11	9	10	13	3	-	1	-	-	-	-	-	134
Combination Carrier (e.g. OBO)	-	2	-	-	-	-	-	2	-	2	-	-	-	-	-	-	-	-	6
Container Ship	20	5	2	29	32	41	49	21	87	105	84	91	-	-	-	-	-	-	566
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	13	23	12	9	9	18	6	6	31	14	-	-	-	-	-	-	-	-	141
Passenger Ship	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	2
Refrigerated Cargo Ship	-	-	-	-	-	3	-	-	-	-	1	-	-	-	-	-	-	-	4
Ro-Ro Cargo Ship	5	1	13	10	17	7	16	8	15	3	1	-	-	-	-	-	-	-	96
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Ship	1	2	16	19	8	14	7	17	13	8	9	17	4	-	-	-	-	-	135
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Total	41	57	52	85	80	106	89	63	156	145	98	108	5	-	-	-	-	-	1,085
<u>2002 Total arrivals</u>																			
Bulk Carrier	4	38	26	32	20	48	24	26	23	25	7	-	1	-	-	-	-	-	274
Combination Carrier (e.g. OBO)	-	2	-	-	-	-	-	6	-	6	1	-	-	-	-	-	-	-	15
Container Ship	46	8	4	55	65	78	98	50	201	214	192	203	-	-	-	-	-	-	1,214
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	25	55	33	20	21	30	8	12	55	26	-	-	-	-	-	-	-	-	285
Passenger Ship	3	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	4
Refrigerated Cargo Ship	-	-	-	-	-	7	-	-	-	-	1	-	-	-	-	-	-	-	8
Ro-Ro Cargo Ship	10	5	19	22	33	13	32	18	31	8	2	-	-	-	-	-	-	-	193
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Ship	2	4	41	49	14	23	22	43	32	14	18	38	5	-	-	-	-	-	305
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Total	90	112	124	178	154	199	184	155	342	293	221	241	6	-	-	-	-	-	2,299
<u>2003 Restricted period arrivals</u>																			
Bulk Carrier	3	19	17	11	14	27	19	9	14	9	6	-	-	-	-	-	-	-	148
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	2	-	5	-	-	-	-	-	-	-	-	7
Container Ship	19	6	7	29	26	18	53	51	84	89	164	132	-	4	-	-	-	-	682
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	16	30	19	15	5	2	6	3	15	14	-	-	-	-	-	-	-	-	125
Passenger Ship	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	5	-	-	-	-	-	-	-	5
Ro-Ro Cargo Ship	8	2	11	13	14	6	3	9	15	-	-	-	-	-	-	-	-	-	81
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Ship	-	4	10	18	7	7	5	25	14	11	4	23	2	-	-	-	-	-	130
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	48	61	64	86	66	60	86	99	142	128	179	155	2	4	-	-	-	-	1,180
<u>2003 Total arrivals</u>																			
Bulk Carrier	6	40	43	27	19	52	37	29	35	22	7	-	-	-	-	-	-	-	317
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	3	-	11	-	-	-	-	-	-	-	-	14
Container Ship	21	15	18	57	57	30	100	122	178	215	336	276	-	4	-	-	-	-	1,429
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	27	58	35	26	10	14	15	7	30	31	-	-	-	-	-	-	-	-	253
Passenger Ship	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	9	-	-	-	-	-	-	-	9
Ro-Ro Cargo Ship	17	5	25	28	31	14	3	20	36	5	1	-	-	-	-	-	-	-	185
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Ship	-	5	29	41	17	20	16	56	35	21	7	46	14	-	1	-	-	-	308
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	74	125	150	179	134	130	171	237	314	305	360	322	14	4	1	-	-	-	2,520

a/ Other includes fishing vessels, industrial vessels, research vessels, school ships.

Source: Prepared by Nathan Associates based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports, 2002-2003.

Table E-47. Arrivals of U.S. Flag Vessels 150 GRT and Above by ANPR Port Area and Vessel DWT, 2002 and 2003
ANPR Port Area: Brunswick, GA

Year and period	DWT (000s)																		Total
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+	
<u>2002 Restricted period arrivals</u>																			
Bulk Carrier	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Passenger Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	-	-	1	15	5	8	-	-	-	-	-	-	-	-	-	-	-	-	29
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	1	15	5	8	-	-	-	-	-	-	-	-	-	-	-	-	29
<u>2002 Total arrivals</u>																			
Bulk Carrier	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Passenger Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	-	-	1	27	10	14	-	-	-	-	-	-	-	-	-	-	-	-	52
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	1	1	27	10	14	-	-	-	-	-	-	-	-	-	-	-	-	53
<u>2003 Restricted period arrivals</u>																			
Bulk Carrier	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Passenger Ship	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	-	-	-	11	8	2	-	-	-	-	-	-	-	-	-	-	-	-	21
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	1	-	-	11	8	2	-	-	-	-	-	-	-	-	-	-	-	-	22
<u>2003 Total arrivals</u>																			
Bulk Carrier	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Passenger Ship	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	-	-	-	19	14	2	-	-	-	-	-	-	-	-	-	-	-	-	35
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	1	-	-	19	14	2	-	-	-	-	-	-	-	-	-	-	-	-	36

a/ Other includes fishing vessels, industrial vessels, research vessels, school ships.

Source: Prepared by Nathan Associates based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports, 2002-2003.

Table E-48. Arrivals of Foreign Flag Vessels 150 GRT and Above by ANPR Port Area and Vessel DWT, 2002 and 2003
ANPR Port Area: Brunswick, GA

Year and period	DWT (000s)																	Total	
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150		150+
<u>2002 Restricted period arrivals</u>																			
Bulk Carrier	16	4	1	2	6	8	-	3	1	3	-	3	-	-	-	-	-	-	47
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	1	-	-	1	1	-	-	3	4	-	-	-	-	-	-	-	-	-	10
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	1	2	3	7	1	-	1	10	9	-	-	-	-	-	-	-	-	-	34
Passenger Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Refrigerated Cargo Ship	-	-	1	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4
Ro-Ro Cargo Ship	-	1	53	40	11	17	-	-	-	-	-	-	-	-	-	-	-	-	122
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Ship	-	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	2
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	18	8	58	53	19	25	2	16	14	3	-	3	-	-	-	-	-	-	219
<u>2002 Total arrivals</u>																			
Bulk Carrier	31	10	1	7	8	13	1	7	6	4	-	6	1	-	-	-	-	-	95
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	3	-	-	6	2	-	-	9	12	-	1	-	-	-	-	-	-	-	33
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	4	3	9	8	2	-	2	15	19	1	-	-	-	-	-	-	-	-	63
Passenger Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Refrigerated Cargo Ship	-	-	2	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9
Ro-Ro Cargo Ship	-	1	119	89	28	41	1	2	1	1	-	-	-	-	-	-	-	-	283
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Ship	-	1	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	3
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	38	15	131	117	41	54	5	33	38	6	1	6	1	-	-	-	-	-	486
<u>2003 Restricted period arrivals</u>																			
Bulk Carrier	18	2	-	4	1	6	-	1	6	3	-	1	-	-	-	-	-	-	42
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	-	-	-	1	1	-	3	8	-	-	-	-	-	-	-	-	-	13
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	2	2	5	2	1	-	1	4	8	-	-	-	-	-	-	-	-	-	25
Passenger Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Refrigerated Cargo Ship	-	1	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6
Ro-Ro Cargo Ship	-	-	57	39	9	14	-	-	3	-	-	-	-	-	-	-	-	-	122
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Ship	-	-	-	-	-	1	3	-	-	-	-	-	-	-	-	-	-	-	4
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	20	5	67	45	12	22	4	8	25	3	-	1	-	-	-	-	-	-	212
<u>2003 Total arrivals</u>																			
Bulk Carrier	36	5	1	11	1	12	1	3	10	5	1	2	-	-	-	-	-	-	88
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	5	-	-	-	1	1	-	6	16	-	-	1	-	-	-	-	-	-	30
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	2	6	6	8	1	4	2	9	19	-	-	-	-	-	-	-	-	-	57
Passenger Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Refrigerated Cargo Ship	-	2	9	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13
Ro-Ro Cargo Ship	-	-	126	68	27	36	1	-	7	-	-	-	-	-	-	-	-	-	265
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Ship	-	-	-	-	-	1	3	-	-	-	-	1	-	-	-	-	-	-	5
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	43	13	142	89	30	54	7	18	52	5	1	4	-	-	-	-	-	-	458

a/ Other includes fishing vessels, industrial vessels, research vessels, school ships.

Source: Prepared by Nathan Associates based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports, 2002-2003.

Table E-49. Arrivals of U.S. Flag Vessels 150 GRT and Above by ANPR Port Area and Vessel DWT, 2002 and 2003
ANPR Port Area: Fernandina, FL

Year and period	DWT (000s)																			Total
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+		
<u>2002 Restricted period arrivals</u>																				
Bulk Carrier	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Container Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Freight Barge	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	
General Dry Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Passenger Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Ro-Ro Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Tank Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Other a/	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	
Total	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	
<u>2002 Total arrivals</u>																				
Bulk Carrier	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Container Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Freight Barge	7	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	
General Dry Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Passenger Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Ro-Ro Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Tank Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Towing Vessel	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9	
Other a/	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	
Total	16	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18	
<u>2003 Restricted period arrivals</u>																				
Bulk Carrier	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Container Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Freight Barge	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	
General Dry Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Passenger Ship	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Ro-Ro Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Tank Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Towing Vessel	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	
Other a/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Total	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9	
<u>2003 Total arrivals</u>																				
Bulk Carrier	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Container Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Freight Barge	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	
General Dry Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Passenger Ship	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Ro-Ro Cargo Ship	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Tank Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Towing Vessel	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11	
Other a/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Total	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

a/ Other includes fishing vessels, industrial vessels, research vessels, school ships.

Source: Prepared by Nathan Associates based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports, 2002-2003.

Table E-50. Arrivals of Foreign Flag Vessels 150 GRT and Above by ANPR Port Area and Vessel DWT, 2002 and 2003
ANPR Port Area: Fernandina, FL

Year and period	DWT (000s)																	Total	
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150		150+
<u>2002 Restricted period arrivals</u>																			
Bulk Carrier	-	-	1	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	3
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	15	24	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	42
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	19	9	3	-	-	-	-	3	3	2	-	-	-	-	-	-	-	-	39
Passenger Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Refrigerated Cargo Ship	-	-	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8
Ro-Ro Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	34	33	15	1	-	-	-	3	3	2	1	-	-	-	-	-	-	-	92
<u>2002 Total arrivals</u>																			
Bulk Carrier	1	-	2	2	-	-	-	-	2	-	2	-	-	-	-	-	-	-	9
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	42	64	6	-	-	-	-	-	1	-	1	-	-	-	-	-	-	-	114
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	43	22	16	3	-	-	-	6	12	4	-	-	-	-	-	-	-	-	106
Passenger Ship	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
Refrigerated Cargo Ship	-	-	31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	31
Ro-Ro Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4
Total	92	86	55	5	-	-	-	6	15	4	3	-	-	-	-	-	-	-	266
<u>2003 Restricted period arrivals</u>																			
Bulk Carrier	-	-	-	-	-	-	-	1	-	-	2	-	-	-	-	-	-	-	3
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	3	32	4	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	40
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	15	4	5	2	-	-	-	2	3	3	-	-	-	-	-	-	-	-	34
Passenger Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Refrigerated Cargo Ship	-	-	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12
Ro-Ro Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	18	36	21	2	-	-	-	3	4	3	2	-	-	-	-	-	-	-	89
<u>2003 Total arrivals</u>																			
Bulk Carrier	-	1	1	-	-	-	1	1	1	-	4	-	-	-	-	-	-	-	9
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	5	68	9	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	84
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	40	27	28	2	-	-	-	3	9	9	-	-	-	-	-	-	-	-	118
Passenger Ship	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Refrigerated Cargo Ship	-	5	28	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	37
Ro-Ro Cargo Ship	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	1
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Ship	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	46	103	66	6	-	-	1	4	12	9	5	-	-	-	-	-	-	-	252

a/ Other includes fishing vessels, industrial vessels, research vessels, school ships.

Source: Prepared by Nathan Associates based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports, 2002-2003.

Table E-51. Arrivals of U.S. Flag Vessels 150 GRT and Above by ANPR Port Area and Vessel DWT, 2002 and 2003
ANPR Port Area: Jacksonville, FL

Year and period	DWT (000s)																	Total	
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150		150+
<u>2002 Restricted period arrivals</u>																			
Bulk Carrier	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	2
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	-	-	16	47	2	-	-	-	-	-	-	-	-	-	-	-	-	65
Freight Barge	9	7	22	14	1	-	-	-	-	-	1	-	-	-	-	-	-	-	54
General Dry Cargo Ship	-	-	-	-	11	-	-	-	-	-	-	-	-	-	-	-	-	-	11
Passenger Ship	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	-	-	1	41	2	-	-	-	-	-	-	-	-	-	-	-	-	-	44
Tank Barge	-	3	-	1	-	3	1	-	-	-	-	-	-	-	-	-	-	-	8
Tank Ship	2	-	-	-	-	-	-	7	-	4	1	-	-	-	-	-	-	-	14
Towing Vessel	63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	63
Other a/	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Total	78	10	23	72	61	5	3	7	-	4	2	-	-	-	-	-	-	-	265
<u>2002 Total arrivals</u>																			
Bulk Carrier	-	1	-	-	-	-	5	-	-	-	-	-	-	-	-	-	-	-	6
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	-	-	35	130	17	-	-	-	-	-	-	-	-	-	-	-	-	182
Freight Barge	26	14	77	69	9	-	1	-	-	-	8	-	-	-	-	-	-	-	204
General Dry Cargo Ship	-	1	-	-	12	-	-	-	-	-	-	-	-	-	-	-	-	-	13
Passenger Ship	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	-	-	1	131	9	-	-	-	-	-	-	-	-	-	-	-	-	-	141
Tank Barge	-	4	1	9	-	10	5	-	-	9	-	-	-	-	-	-	-	-	38
Tank Ship	3	-	-	-	-	-	-	17	-	14	1	-	-	-	-	-	-	-	35
Towing Vessel	279	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	279
Other a/	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6
Total	319	20	79	244	160	27	11	17	-	23	9	-	-	-	-	-	-	-	909
<u>2003 Restricted period arrivals</u>																			
Bulk Carrier	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	-	-	9	29	8	-	-	-	-	-	-	-	-	-	-	-	-	46
Freight Barge	2	7	30	22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	61
General Dry Cargo Ship	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	3
Passenger Ship	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	-	-	-	27	2	-	1	-	-	-	-	-	-	-	-	-	-	-	30
Tank Barge	-	-	-	4	-	1	2	-	-	-	-	-	-	-	-	-	-	-	7
Tank Ship	2	-	-	-	-	-	2	7	-	14	-	-	-	-	-	-	-	-	25
Towing Vessel	108	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	108
Other a/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	118	7	30	62	31	12	5	7	-	14	-	-	-	-	-	-	-	-	286
<u>2003 Total arrivals</u>																			
Bulk Carrier	-	-	-	-	-	-	11	-	-	-	-	-	-	-	-	-	-	-	11
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	-	-	25	91	25	-	-	-	-	1	-	-	-	-	-	-	-	142
Freight Barge	4	11	107	75	1	-	1	-	-	-	1	-	-	-	-	-	-	-	200
General Dry Cargo Ship	-	-	1	-	1	11	3	-	-	-	-	-	-	-	-	-	-	-	16
Passenger Ship	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	-	3	-	95	10	8	1	-	-	-	-	-	-	-	-	-	-	-	117
Tank Barge	-	-	-	4	1	2	2	-	-	-	-	-	-	-	-	-	-	-	9
Tank Ship	4	-	-	-	-	-	12	19	2	43	-	-	-	-	-	-	-	-	80
Towing Vessel	291	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	291
Other a/	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
Total	312	14	108	199	104	46	30	19	2	43	2	-	-	-	-	-	-	-	879

a/ Other includes fishing vessels, industrial vessels, research vessels, school ships.

Source: Prepared by Nathan Associates based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports, 2002-2003.

Table E-52. Arrivals of Foreign Flag Vessels 150 GRT and Above by ANPR Port Area and Vessel DWT, 2002 and 2003
ANPR Port Area: Jacksonville, FL

Year and period	DWT (000s)																	Total	
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150		150+
<u>2002 Restricted period arrivals</u>																			
Bulk Carrier	-	2	8	5	-	7	10	5	5	5	3	5	6	-	-	-	-	-	61
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	2
Container Ship	14	50	3	4	3	7	19	2	7	4	11	-	-	-	-	-	-	-	124
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	45	30	6	3	1	2	-	3	14	9	-	-	-	-	-	-	-	-	113
Passenger Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Refrigerated Cargo Ship	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
Ro-Ro Cargo Ship	4	-	67	38	16	13	-	1	-	-	1	-	-	-	-	-	-	-	140
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Ship	1	-	5	3	1	4	2	11	9	26	5	2	-	-	-	-	-	-	69
Towing Vessel	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Other a/	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Total	65	85	89	53	21	33	31	22	36	45	20	7	6	-	-	-	-	-	513
<u>2002 Total arrivals</u>																			
Bulk Carrier	-	4	17	13	7	16	15	14	10	9	17	14	27	-	-	-	-	-	163
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	1	3	-	-	-	-	-	-	-	-	4
Container Ship	44	151	4	18	3	20	60	2	28	19	41	-	-	-	-	-	-	-	390
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	127	80	16	4	4	3	1	3	34	17	-	-	-	-	-	-	-	-	289
Passenger Ship	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Refrigerated Cargo Ship	-	11	3	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	15
Ro-Ro Cargo Ship	9	-	205	139	63	47	3	7	-	1	1	-	-	-	-	-	-	-	475
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Ship	1	1	7	12	9	9	9	36	41	72	12	20	1	-	1	-	-	-	231
Towing Vessel	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Other a/	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
Total	184	248	252	186	87	95	88	62	114	121	71	34	28	-	1	-	-	-	1,571
<u>2003 Restricted period arrivals</u>																			
Bulk Carrier	-	1	5	6	1	7	3	2	13	14	2	4	6	-	-	-	-	-	64
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	19	42	1	7	-	3	17	-	15	6	11	-	-	-	-	-	-	-	121
Freight Barge	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
General Dry Cargo Ship	31	29	4	-	4	-	2	3	8	5	-	-	-	-	-	-	-	-	86
Passenger Ship	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
Refrigerated Cargo Ship	-	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
Ro-Ro Cargo Ship	7	-	70	57	20	4	-	-	1	-	-	-	-	-	-	-	-	-	159
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Ship	7	-	-	2	1	3	-	19	19	19	1	6	-	-	-	1	-	-	78
Towing Vessel	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
Other a/	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4
Total	71	76	81	72	26	17	22	24	56	44	14	10	6	-	-	1	-	-	520
<u>2003 Total arrivals</u>																			
Bulk Carrier	2	4	8	11	2	26	4	9	29	34	15	13	14	-	-	-	-	-	171
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	1	-	4	-	-	-	-	-	-	-	-	5
Container Ship	80	105	3	9	2	17	52	6	38	19	40	-	-	-	-	-	-	-	371
Freight Barge	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
General Dry Cargo Ship	119	71	16	3	17	1	5	6	17	12	-	-	-	-	-	-	-	-	267
Passenger Ship	1	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6
Refrigerated Cargo Ship	-	6	4	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	12
Ro-Ro Cargo Ship	8	2	200	167	65	6	2	1	2	2	-	-	-	-	-	-	-	-	455
Tank Barge	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Tank Ship	10	1	5	5	8	8	-	42	49	78	9	23	1	1	-	1	-	-	241
Towing Vessel	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4
Other a/	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6
Total	232	195	236	195	96	58	63	65	135	149	64	36	15	1	-	1	-	-	1,541

a/ Other includes fishing vessels, industrial vessels, research vessels, school ships.

Source: Prepared by Nathan Associates based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports, 2002-2003.

Table E-53. Arrivals of U.S. Flag Vessels 150 GRT and Above by ANPR Port Area and Vessel DWT, 2002 and 2003
ANPR Port Area: Port Canaveral, FL

Year and period	DWT (000s)																		Total
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+	
<u>2002 Restricted period arrivals</u>																			
Bulk Carrier	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Passenger Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<u>2002 Total arrivals</u>																			
Bulk Carrier	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Freight Barge	4	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6
General Dry Cargo Ship	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6
Passenger Ship	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Barge	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
Tank Ship	-	-	-	-	-	-	-	4	-	-	-	-	-	-	-	-	-	-	4
Towing Vessel	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2
Other a/	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
Total	20	2	-	2	-	-	-	4	-	-	-	-	-	-	-	-	-	-	28
<u>2003 Restricted period arrivals</u>																			
Bulk Carrier	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Passenger Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<u>2003 Total arrivals</u>																			
Bulk Carrier	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	2
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Freight Barge	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13
General Dry Cargo Ship	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5
Passenger Ship	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3
Tank Barge	-	-	-	1	1	-	1	-	-	-	-	-	-	-	-	-	-	-	3
Tank Ship	-	-	-	-	-	-	4	1	-	1	-	-	-	-	-	-	-	-	6
Towing Vessel	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14
Other a/	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Total	42	-	-	1	1	-	5	1	-	1	-	2	-	-	-	-	-	-	53

a/ Other includes fishing vessels, industrial vessels, research vessels, school ships.

Source: Prepared by Nathan Associates based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports, 2002-2003.

Table E-54. Arrivals of Foreign Flag Vessels 150 GRT and Above by ANPR Port Area and Vessel DWT, 2002 and 2003
ANPR Port Area: Port Canaveral, FL

Year and period	DWT (000s)																		Total
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+	
<u>2002 Restricted period arrivals</u>																			
Bulk Carrier	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Passenger Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<u>2002 Total arrivals</u>																			
Bulk Carrier	-	35	33	17	2	19	4	17	5	2	-	-	1	-	-	-	-	-	135
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	2
Container Ship	-	-	-	-	-	-	-	5	5	-	-	-	-	-	-	-	-	-	10
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	2	16	31	2	3	-	-	4	8	-	-	-	-	-	-	-	-	-	66
Passenger Ship	11	214	163	55	2	-	-	-	-	-	-	-	-	-	-	-	-	-	445
Refrigerated Cargo Ship	-	38	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	43
Ro-Ro Cargo Ship	-	5	6	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	13
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Ship	-	-	-	2	-	4	-	8	4	10	-	8	2	1	1	-	-	-	40
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	13	308	238	76	7	25	4	34	22	12	1	9	3	1	1	-	-	-	754
<u>2003 Restricted period arrivals</u>																			
Bulk Carrier	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Container Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Passenger Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Refrigerated Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ro-Ro Cargo Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Ship	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<u>2003 Total arrivals</u>																			
Bulk Carrier	5	33	4	11	7	20	5	14	8	6	4	-	-	-	-	-	-	-	117
Combination Carrier (e.g. OBO)	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	2
Container Ship	4	1	1	-	-	-	2	2	7	-	-	-	-	-	-	1	-	-	18
Freight Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General Dry Cargo Ship	9	19	22	6	-	1	4	2	10	3	-	-	-	-	-	-	-	-	76
Passenger Ship	102	234	197	28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	561
Refrigerated Cargo Ship	-	43	4	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	49
Ro-Ro Cargo Ship	1	2	27	1	-	4	-	-	-	-	-	-	-	-	-	-	-	-	35
Tank Barge	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tank Ship	-	-	1	-	-	-	-	1	2	6	4	5	-	1	-	1	-	-	21
Towing Vessel	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other a/	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Total	122	332	256	46	9	25	11	21	27	15	8	5	-	1	-	2	-	-	880

a/ Other includes fishing vessels, industrial vessels, research vessels, school ships.

Source: Prepared by Nathan Associates based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports, 2002-2003.

Appendix F

ESTIMATED DELAY PER
VESSEL ARRIVAL AT
ALTERNATIVE RESTRICTED
SPEEDS

Table F-1. Bulk Carriers: Estimated Minutes of Delay per Vessel Arrival for Speed Restrictions of 12 Knots by Port Area and Vessel DWT

ANPR Port Region and Port Area	DWT (000s)																	
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+
Northeastern US - Gulf of Maine																		
Eastport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Searsport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portland, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portsmouth, NH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Off Race Point																		
Boston, MA	-	-	2.0	2.0	-	-	-	-	-	-	17.9	-	-	-	-	-	-	-
Salem, MA	-	-	-	-	-	-	-	9.6	13.1	-	-	-	-	-	-	-	-	-
Northeastern US - Cape Cod Bay																		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Block Island Sound																		
New Bedford, MA	-	-	-	-	6.0	-	-	11.5	15.7	15.7	21.4	21.4	22.3	-	-	-	-	-
Providence, RI	-	-	-	2.5	6.0	6.0	11.5	11.5	15.7	15.7	-	-	-	-	-	-	-	-
New London, CT	-	-	2.5	2.5	-	-	-	11.5	15.7	15.7	21.4	-	-	-	-	-	-	-
New Haven, CT	-	-	2.5	2.5	6.0	6.0	11.5	11.5	15.7	15.7	21.4	21.4	-	-	-	-	-	-
Bridgeport, CT	-	-	-	-	-	-	-	-	-	15.7	21.4	21.4	22.3	-	-	-	-	-
Long Island, NY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Ports of New York/New Jersey																		
-	-	-	1.9	1.9	4.6	4.6	8.9	8.9	12.1	12.1	16.6	16.6	17.3	17.3	-	-	-	-
Mid-Atlantic Delaware Bay																		
-	-	-	2.3	2.3	5.5	5.5	10.6	10.6	14.4	14.4	19.6	19.6	20.5	-	-	-	-	-
Mid-Atlantic Chesapeake Bay																		
Baltimore, MD	-	-	2.2	2.2	5.4	5.4	10.4	10.4	14.2	14.2	19.4	19.4	20.2	20.2	-	20.2	20.2	20.2
Hampton Roads, VA	-	-	2.2	2.2	5.4	5.4	10.4	10.4	14.2	14.2	19.4	19.4	20.2	20.2	20.2	20.2	20.2	20.2
Mid-Atlantic Morehead City and Beaufort, NC																		
-	-	-	-	-	3.7	3.7	-	-	-	9.6	13.1	-	-	-	-	-	-	-
Mid-Atlantic Wilmington, NC																		
-	-	-	1.3	1.3	3.2	3.2	6.1	6.1	8.3	8.3	11.4	-	11.8	-	-	-	-	-
Mid-Atlantic Georgetown, SC																		
-	-	-	2.0	2.0	-	4.9	9.4	9.4	12.7	-	17.4	-	-	-	-	-	-	-
Mid-Atlantic Charleston, SC																		
-	-	-	1.0	1.0	2.5	2.5	4.8	4.8	6.5	6.5	8.9	8.9	9.3	9.3	-	-	-	-
Mid-Atlantic Savannah, GA																		
-	-	-	1.3	1.3	3.1	3.1	5.9	5.9	8.0	8.0	10.9	-	11.4	-	-	-	-	-
Southeastern US																		
Brunswick, GA	-	-	1.4	1.4	3.5	3.5	-	6.7	9.0	9.0	-	12.4	-	-	-	-	-	-
Fernandina, FL	-	-	1.6	1.6	-	-	-	7.7	-	-	14.3	-	-	-	-	-	-	-
Jacksonville, FL	-	-	1.6	1.6	4.0	4.0	7.6	7.6	10.3	10.3	14.1	14.1	14.7	-	-	-	-	-
Port Canaveral, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Source: Prepared by Nathan Associates Inc.

Table F-2 Combination Carriers: Estimated Minutes of Delay per Vessel Arrival for Speed Restrictions of 12 Knots by Port Area and Vessel DWT

ANPR Port Region and Port Area	DWT (000s)																	
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+
Northeastern US - Gulf of Maine																		
Eastport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Searsport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portland, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portsmouth, NH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Off Race Point																		
Boston, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Salem, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Cape Cod Bay																		
Mid-Atlantic Block Island Sound																		
New Bedford, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Providence, RI	-	-	-	-	-	-	-	-	-	-	21.4	-	22.3	-	-	-	-	-
New London, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Haven, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bridgeport, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Long Island, NY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Ports of New York/New Jersey																		
	-	-	-	-	-	-	-	-	-	12.1	16.6	16.6	17.3	17.3	17.3	-	-	-
Mid-Atlantic Delaware Bay																		
	-	-	-	-	-	-	-	-	-	-	-	-	-	20.5	20.5	-	-	-
Mid-Atlantic Chesapeake Bay																		
Baltimore, MD	-	-	-	-	-	-	-	10.4	-	14.2	-	-	20.2	20.2	-	-	-	-
Hampton Roads, VA	-	-	-	-	-	-	-	-	-	-	-	-	20.2	20.2	20.2	20.2	-	-
Mid-Atlantic Morehead City and Beaufort, NC																		
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Wilmington, NC																		
	-	-	-	-	-	-	-	-	-	8.3	-	-	11.8	-	-	-	-	-
Mid-Atlantic Georgetown, SC																		
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Charleston, SC																		
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Savannah, GA																		
	-	-	-	-	-	-	-	5.9	-	8.0	-	-	-	-	-	-	-	-
Southeastern US																		
Brunswick, GA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fernandina, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Jacksonville, FL	-	-	-	-	-	-	-	-	10.3	10.3	-	-	-	-	-	-	-	-
Port Canaveral, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Source: Prepared by Nathan Associates Inc.

Table F-3. Containerships: Estimated Minutes of Delay per Vessel Arrival for Speed Restrictions of 12 Knots by Port Area and Vessel DWT

ANPR Port Region and Port Area	DWT (000s)																	
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+
Northeastern US - Gulf of Maine																		
Eastport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Searsport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portland, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portsmouth, NH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Off Race Point																		
Boston, MA	-	30.2	-	43.7	47.4	-	-	54.3	55.9	57.2	59.0	-	-	-	-	-	-	-
Salem, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Cape Cod Bay																		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Block Island Sound																		
New Bedford, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Providence, RI	-	36.2	-	52.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New London, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Haven, CT	-	-	-	-	-	60.2	-	-	-	-	-	-	-	-	-	-	-	-
Bridgeport, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Long Island, NY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Ports of New York/New Jersey																		
-	8.5	28.0	35.8	40.6	44.0	46.5	48.6	50.4	51.8	53.1	54.8	56.6	-	-	-	-	-	-
Mid-Atlantic Delaware Bay																		
-	10.1	33.2	42.5	48.1	52.1	55.2	57.6	59.7	61.4	63.0	64.9	-	-	-	-	-	-	-
Mid-Atlantic Chesapeake Bay																		
Baltimore, MD	10.0	32.8	-	47.5	51.4	54.5	56.9	58.9	60.7	62.2	64.1	-	-	-	-	-	-	-
Hampton Roads, VA	10.0	32.8	41.9	47.5	51.4	54.5	56.9	58.9	60.7	62.2	64.1	66.2	-	-	-	-	-	-
Mid-Atlantic Morehead City and Beaufort, NC																		
-	6.7	-	-	-	34.7	36.7	-	-	40.9	-	-	-	-	-	-	-	-	-
Mid-Atlantic Wilmington, NC																		
-	5.8	19.2	24.5	27.8	30.1	31.9	33.3	34.5	35.5	36.4	37.5	38.8	-	-	-	-	-	-
Mid-Atlantic Georgetown, SC																		
-	-	-	-	-	-	-	-	-	-	55.9	57.6	-	-	-	-	-	-	-
Mid-Atlantic Charleston, SC																		
-	4.6	15.1	19.3	21.9	23.7	25.1	26.2	27.1	27.9	28.6	29.5	30.5	-	32.0	-	-	-	-
Mid-Atlantic Savannah, GA																		
-	5.6	18.5	23.6	26.8	29.0	30.7	32.1	33.2	34.2	35.0	36.1	37.3	-	39.2	-	-	-	-
Southeastern US																		
Brunswick, GA	6.4	-	-	30.3	32.8	34.7	-	37.5	38.6	-	-	-	-	-	-	-	-	-
Fernandina, FL	7.4	24.1	30.9	-	-	-	-	-	44.7	-	-	-	-	-	-	-	-	-
Jacksonville, FL	7.3	23.9	30.6	34.6	37.5	39.7	41.5	43.0	44.2	45.3	46.7	-	-	-	-	-	-	-
Port Canaveral, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Source: Prepared by Nathan Associates Inc.

Table F-4. Freight Barges: Estimated Minutes of Delay per Vessel Arrival for Speed Restrictions of 12 Knots by Port Area and Vessel DWT

ANPR Port Region and Port Area	DWT (000s)																	
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+
Northeastern US - Gulf of Maine																		
Eastport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Searsport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portland, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portsmouth, NH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Off Race Point																		
Boston, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Salem, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Cape Cod Bay																		
Mid-Atlantic Block Island Sound																		
New Bedford, MA	-	-	-	-	42.6	-	-	-	-	-	-	-	-	-	-	-	-	-
Providence, RI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New London, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Haven, CT	0.6	-	-	38.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bridgeport, CT	0.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Long Island, NY	0.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Ports of New York/New Jersey																		
Mid-Atlantic Delaware Bay																		
	0.6	21.4	30.0	35.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Chesapeake Bay																		
Baltimore, MD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hampton Roads, VA	-	21.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Morehead City and Beaufort, NC																		
Mid-Atlantic Wilmington, NC																		
Mid-Atlantic Georgetown, SC																		
Mid-Atlantic Charleston, SC																		
	-	-	13.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Savannah, GA																		
Southeastern US																		
Brunswick, GA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fernandina, FL	0.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Jacksonville, FL	0.4	15.4	21.6	25.4	28.1	-	-	-	-	-	37.0	-	-	-	-	-	-	-
Port Canaveral, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Source: Prepared by Nathan Associates Inc.

Table F-5. General Cargo Vessels: Estimated Minutes of Delay per Vessel Arrival for Speed Restrictions of 12 Knots by Port Area and Vessel DWT

ANPR Port Region and Port Area	DWT (000s)																	
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+
Northeastern US - Gulf of Maine																		
Eastport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Searsport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portland, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portsmouth, NH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Off Race Point																		
Boston, MA	0.5	19.4	27.2	-	-	-	-	42.1	-	-	-	-	-	-	-	-	-	-
Salem, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Cape Cod Bay																		
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Block Island Sound																		
New Bedford, MA	0.6	23.3	32.7	-	42.6	-	-	-	-	-	-	-	-	-	-	-	-	-
Providence, RI	0.6	23.3	32.7	-	42.6	45.8	-	50.5	-	-	-	-	-	-	-	-	-	-
New London, CT	-	-	-	38.5	-	-	48.4	50.5	52.4	54.0	-	-	-	-	-	-	-	-
New Haven, CT	-	23.3	32.7	38.5	42.6	45.8	-	-	52.4	54.0	-	-	-	-	-	-	-	-
Bridgeport, CT	-	23.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Long Island, NY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Ports of New York/New Jersey																		
	0.5	18.0	25.3	29.8	33.0	35.4	37.4	39.1	40.5	41.8	-	-	-	-	-	-	-	-
Mid-Atlantic Delaware Bay																		
	0.6	21.4	30.0	35.3	39.1	42.0	44.3	46.3	48.0	49.5	-	-	-	-	-	-	-	-
Mid-Atlantic Chesapeake Bay																		
Baltimore, MD	0.5	21.1	29.6	34.8	38.6	41.4	43.8	45.7	47.4	48.9	-	-	-	-	-	-	-	-
Hampton Roads, VA	0.5	21.1	29.6	34.8	38.6	41.4	43.8	45.7	47.4	48.9	-	-	-	-	-	-	-	-
Mid-Atlantic Morehead City and Beaufort, NC																		
	0.4	14.2	19.9	23.5	26.0	27.9	-	30.8	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Wilmington, NC																		
	0.3	12.4	17.3	20.4	22.6	24.3	25.6	26.8	27.8	28.6	-	-	-	-	-	-	-	-
Mid-Atlantic Georgetown, SC																		
	-	19.0	-	-	-	-	-	-	42.6	-	-	-	-	-	-	-	-	-
Mid-Atlantic Charleston, SC																		
	0.3	9.7	13.6	16.0	17.8	19.1	20.2	21.1	21.8	22.5	-	-	-	-	-	-	-	-
Mid-Atlantic Savannah, GA																		
	0.3	11.9	16.7	19.6	21.7	23.4	24.7	25.8	26.7	27.5	-	-	-	-	-	-	-	-
Southeastern US																		
Brunswick, GA	0.3	13.5	18.9	22.2	24.6	-	27.9	29.1	30.2	-	-	-	-	-	-	-	-	-
Fernandina, FL	0.4	15.6	21.8	25.7	-	-	-	33.7	34.9	36.0	-	-	-	-	-	-	-	-
Jacksonville, FL	0.4	15.4	21.6	25.4	28.1	30.2	31.9	33.4	34.6	35.6	-	-	-	-	-	-	-	-
Port Canaveral, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Source: Prepared by Nathan Associates Inc.

Table F-6. Passenger Vessels: Estimated Minutes of Delay per Vessel Arrival for Speed Restrictions of 12 Knots by Port Area and Vessel DWT

ANPR Port Region and Port Area	DWT (000s)																	
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+
Northeastern US - Gulf of Maine																		
Eastport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Searsport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portland, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portsmouth, NH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Off Race Point																		
Boston, MA	31.3	41.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Salem, MA	31.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Cape Cod Bay																		
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Block Island Sound																		
New Bedford, MA	37.5	50.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Providence, RI	37.5	50.0	60.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New London, CT	37.5	50.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Haven, CT	37.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bridgeport, CT	37.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Long Island, NY	37.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Ports of New York/New Jersey																		
	29.0	38.7	46.4	52.7	58.0	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Delaware Bay																		
	34.4	45.8	55.0	-	68.8	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Chesapeake Bay																		
Baltimore, MD	33.9	45.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hampton Roads, VA	33.9	45.3	54.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Morehead City and Beaufort, NC																		
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Wilmington, NC																		
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Georgetown, SC																		
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Charleston, SC																		
	15.6	20.8	25.0	28.4	31.3	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Savannah, GA																		
	19.1	-	-	-	38.3	-	-	-	-	-	-	-	-	-	-	-	-	-
Southeastern US																		
Brunswick, GA	21.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fernandina, FL	25.0			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Jacksonville, FL	24.8	33.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Port Canaveral, FL	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Source: Prepared by Nathan Associates Inc.

Table F-7. Refrigerated Cargo Vessels: Estimated Minutes of Delay per Vessel Arrival for Speed Restrictions of 12 Knots by Port Area and Vessel DWT

ANPR Port Region and Port Area	DWT (000s)																	
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+
Northeastern US - Gulf of Maine																		
Eastport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Searsport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portland, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portsmouth, NH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Off Race Point																		
Boston, MA	-	30.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Salem, MA	-	30.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Cape Cod Bay																		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Block Island Sound																		
New Bedford, MA	-	36.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Providence, RI	-	36.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New London, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Haven, CT	-	-	46.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bridgeport, CT	-	-	46.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Long Island, NY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Ports of New York/New Jersey																		
-	-	28.0	35.8	-	-	46.5	-	-	-	-	54.8	-	-	-	-	-	-	-
Mid-Atlantic Delaware Bay																		
10.1	33.2	42.5	48.1	52.1	55.2	57.6	-	-	-	-	64.9	-	-	-	-	-	-	-
Mid-Atlantic Chesapeake Bay																		
Baltimore, MD	-	32.8	41.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hampton Roads, VA	-	32.8	41.9	-	-	54.5	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Morehead City and Beaufort, NC																		
6.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Wilmington, NC																		
-	19.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Georgetown, SC																		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Charleston, SC																		
-	15.1	19.3	21.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Savannah, GA																		
-	-	-	-	-	-	30.7	-	-	-	-	36.1	-	-	-	-	-	-	-
Southeastern US																		
Brunswick, GA	-	20.9	26.7	30.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fernandina, FL	-	-	30.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Jacksonville, FL	-	23.9	30.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Port Canaveral, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Source: Prepared by Nathan Associates Inc.

Table F-8. Ro-Ro Vessels: Estimated Minutes of Delay per Vessel Arrival for Speed Restrictions of 12 Knots by Port Area and Vessel DWT

ANPR Port Region and Port Area	DWT (000s)																	
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+
Northeastern US - Gulf of Maine																		
Eastport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Searsport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portland, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portsmouth, NH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Off Race Point																		
Boston, MA	9.2	-	38.6	43.7	47.4	-	-	-	-	-	-	-	-	-	-	-	-	-
Salem, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Cape Cod Bay																		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Block Island Sound																		
New Bedford, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Providence, RI	-	-	46.3	52.5	56.8	-	-	-	-	68.7	-	-	-	-	-	-	-	-
New London, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Haven, CT	-	-	-	52.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bridgeport, CT	11.0	-	-	52.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Long Island, NY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Ports of New York/New Jersey																		
-	8.5	28.0	35.8	40.6	44.0	46.5	48.6	50.4	51.8	53.1	54.8	-	-	-	-	-	-	-
Mid-Atlantic Delaware Bay																		
-	10.1	33.2	42.5	48.1	52.1	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Chesapeake Bay																		
Baltimore, MD	10.0	32.8	41.9	47.5	51.4	54.5	56.9	58.9	60.7	62.2	64.1	-	-	-	-	-	-	-
Hampton Roads, VA	10.0	32.8	41.9	47.5	51.4	54.5	56.9	58.9	60.7	-	64.1	-	-	-	-	-	-	-
Mid-Atlantic Morehead City and Beaufort, NC																		
-	-	-	28.3	32.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Wilmington, NC																		
-	5.8	19.2	24.5	27.8	30.1	-	33.3	-	35.5	-	37.5	-	-	-	-	-	-	-
Mid-Atlantic Georgetown, SC																		
-	-	-	-	42.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Charleston, SC																		
-	4.6	15.1	19.3	21.9	23.7	25.1	26.2	27.1	27.9	28.6	29.5	-	-	-	-	-	-	-
Mid-Atlantic Savannah, GA																		
-	5.6	18.5	23.6	26.8	29.0	30.7	32.1	33.2	34.2	35.0	36.1	-	-	-	-	-	-	-
Southeastern US																		
Brunswick, GA	-	20.9	26.7	30.3	32.8	34.7	-	-	38.6	-	-	-	-	-	-	-	-	-
Fernandina, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Jacksonville, FL	7.3	-	30.6	34.6	37.5	39.7	41.5	43.0	44.2	-	46.7	-	-	-	-	-	-	-
Port Canaveral, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Source: Prepared by Nathan Associates Inc.

Table F-9. Tank Barges: Estimated Minutes of Delay per Vessel Arrival for Speed Restrictions of 12 Knots by Port Area and Vessel DWT

ANPR Port Region and Port Area	DWT (000s)																	
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+
Northeastern US - Gulf of Maine																		
Eastport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Searsport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portland, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portsmouth, NH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Off Race Point																		
Boston, MA	-	15.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Salem, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Cape Cod Bay																		
Mid-Atlantic Block Island Sound																		
New Bedford, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Providence, RI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New London, CT	14.1	18.5	20.5	-	22.8	-	-	-	-	-	-	-	-	-	-	-	-	-
New Haven, CT	14.1	18.5	20.5	21.8	22.8	-	-	-	-	-	-	-	-	-	-	-	-	-
Bridgeport, CT	14.1	18.5	20.5	21.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Long Island, NY	14.1	18.5	20.5	21.8	22.8	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Ports of New York/New Jersey																		
	10.9	14.3	15.9	-	-	18.2	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Delaware Bay																		
	12.9	17.0	18.8	20.0	-	21.6	22.2	-	-	23.5	24.0	-	-	-	-	-	-	-
Mid-Atlantic Chesapeake Bay																		
Baltimore, MD	12.8	16.8	18.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hampton Roads, VA	-	-	18.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Morehead City and Beaufort, NC																		
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Wilmington, NC																		
	-	9.8	10.9	11.6	12.1	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Georgetown, SC																		
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Charleston, SC																		
	-	7.7	8.6	9.1	9.5	-	10.1	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Savannah, GA																		
	-	9.4	10.5	11.1	-	-	-	-	-	13.1	-	-	-	-	-	-	-	-
Southeastern US																		
Brunswick, GA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fernandina, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Jacksonville, FL	-	12.2	-	14.4	-	15.5	16.0	-	-	-	-	-	-	-	-	-	-	-
Port Canaveral, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Source: Prepared by Nathan Associates Inc.

Table F-10. Tankers: Estimated Minutes of Delay per Vessel Arrival for Speed Restrictions of 12 Knots by Port Area and Vessel DWT

ANPR Port Region and Port Area	DWT (000s)																	
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+
Northeastern US - Gulf of Maine																		
Eastport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Searsport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portland, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portsmouth, NH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Off Race Point																		
Boston, MA	11.8	-	17.1	-	-	19.6	20.2	20.6	21.0	21.4	21.8	22.3	-	-	-	-	-	25.2
Salem, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Cape Cod Bay																		
	-	-	-	-	-	-	-	-	-	-	39.3	40.2	41.0	-	-	-	-	-
Mid-Atlantic Block Island Sound																		
New Bedford, MA	-	-	20.5	-	22.8	-	-	-	-	-	-	-	-	-	-	-	-	-
Providence, RI	14.1	18.5	20.5	-	-	23.6	24.2	24.7	25.2	25.6	26.2	26.8	27.3	-	-	-	-	-
New London, CT	-	-	-	21.8	-	-	24.2	-	-	25.6	-	-	-	-	-	-	-	-
New Haven, CT	14.1	-	20.5	21.8	-	23.6	24.2	24.7	25.2	25.6	26.2	-	-	-	28.2	-	-	-
Bridgeport, CT	14.1	-	-	-	-	-	24.2	24.7	-	25.6	-	26.8	-	-	-	-	29.5	-
Long Island, NY	14.1	-	-	21.8	-	-	-	24.7	-	25.6	26.2	26.8	27.3	-	28.2	28.7	29.5	30.2
Mid-Atlantic Ports of New York/New Jersey																		
	10.9	14.3	15.9	16.9	17.6	18.2	18.7	19.1	19.5	19.8	20.2	20.7	21.1	21.5	21.8	22.2	22.8	23.3
Mid-Atlantic Delaware Bay																		
	12.9	17.0	18.8	20.0	20.9	21.6	22.2	22.7	23.1	23.5	24.0	24.6	25.0	25.5	25.8	26.3	27.0	27.7
Mid-Atlantic Chesapeake Bay																		
Baltimore, MD	12.8	16.8	18.6	19.8	20.6	21.3	21.9	22.4	22.8	23.2	23.7	24.2	24.7	-	25.5	26.0	-	27.3
Hampton Roads, VA	12.8	16.8	18.6	19.8	20.6	21.3	21.9	22.4	22.8	23.2	23.7	24.2	24.7	25.1	25.5	26.0	26.7	27.3
Mid-Atlantic Morehead City and Beaufort, NC																		
	-	-	12.5	13.3	-	14.4	14.8	15.1	-	-	-	16.3	-	-	-	-	-	-
Mid-Atlantic Wilmington, NC																		
	7.5	9.8	10.9	11.6	12.1	12.5	12.8	13.1	13.4	13.6	13.9	14.2	-	-	-	-	-	-
Mid-Atlantic Georgetown, SC																		
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Charleston, SC																		
	5.9	7.7	8.6	9.1	9.5	9.8	10.1	10.3	10.5	10.7	10.9	11.2	-	11.6	-	-	-	-
Mid-Atlantic Savannah, GA																		
	7.2	9.4	10.5	11.1	11.6	12.0	12.3	12.6	12.9	13.1	13.3	13.7	13.9	-	-	-	-	-
Southeastern US																		
Brunswick, GA	-	10.7	-	-	-	13.6	14.0	-	-	-	-	-	-	-	-	-	-	-
Fernandina, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Jacksonville, FL	9.3	-	13.5	14.4	15.0	15.5	16.0	16.3	16.6	16.9	17.3	17.7	-	-	-	19.0	-	-
Port Canaveral, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Source: Prepared by Nathan Associates Inc.

Table F-11. Towing Vessels: Estimated Minutes of Delay per Vessel Arrival for Speed Restrictions of 12 Knots by Port Area and Vessel DWT

ANPR Port Region and Port Area	DWT (000s)																	
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+
Northeastern US - Gulf of Maine																		
Eastport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Searsport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portland, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portsmouth, NH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Off Race Point																		
Boston, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Salem, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Cape Cod Bay																		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Block Island Sound																		
New Bedford, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Providence, RI	14.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New London, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Haven, CT	14.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bridgeport, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Long Island, NY	14.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Ports of New York/New Jersey																		
-	10.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Delaware Bay																		
-	12.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Chesapeake Bay																		
Baltimore, MD	12.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hampton Roads, VA	12.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Morehead City and Beaufort, NC																		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Wilmington, NC																		
-	7.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Georgetown, SC																		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Charleston, SC																		
-	5.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Savannah, GA																		
-	7.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Southeastern US																		
Brunswick, GA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fernandina, FL	9.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Jacksonville, FL	9.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Port Canaveral, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Source: Prepared by Nathan Associates Inc.

Table F-12. Other Vessels: Estimated Minutes of Delay per Vessel Arrival for Speed Restrictions of 12 Knots by Port Area and Vessel DWT

ANPR Port Region and Port Area	DWT (000s)																	
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+
Northeastern US - Gulf of Maine																		
Eastport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Searsport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portland, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portsmouth, NH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Off Race Point																		
Boston, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Salem, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Cape Cod Bay																		
Mid-Atlantic Block Island Sound																		
New Bedford, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Providence, RI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New London, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Haven, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bridgeport, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Long Island, NY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Ports of New York/New Jersey																		
Mid-Atlantic Delaware Bay																		
Mid-Atlantic Chesapeake Bay																		
Baltimore, MD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hampton Roads, VA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Morehead City and Beaufort, NC																		
Mid-Atlantic Wilmington, NC																		
Mid-Atlantic Georgetown, SC																		
Mid-Atlantic Charleston, SC																		
Mid-Atlantic Savannah, GA																		
Southeastern US																		
Brunswick, GA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fernandina, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Jacksonville, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Port Canaveral, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Source: Prepared by Nathan Associates Inc.

Table F-13. Bulk Carriers: Estimated Minutes of Delay per Vessel Arrival for Speed Restrictions of 10 Knots by Port Area and Vessel DWT

ANPR Port Region and Port Area	DWT (000s)																	
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+
Northeastern US - Gulf of Maine																		
Eastport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Searsport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portland, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portsmouth, NH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Off Race Point																		
Boston, MA	-	-	27.0	27.0	-	-	-	-	-	-	42.9	-	-	-	-	-	-	-
Salem, MA	-	-	-	-	-	-	-	34.6	38.1	-	-	-	-	-	-	-	-	-
Northeastern US - Cape Cod Bay																		
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Block Island Sound																		
New Bedford, MA	-	-	-	-	36.0	-	-	41.5	45.7	45.7	51.4	51.4	52.3	-	-	-	-	-
Providence, RI	-	24.8	-	32.5	36.0	36.0	41.5	41.5	45.7	45.7	-	-	-	-	-	-	-	-
New London, CT	-	-	32.5	32.5	-	-	-	41.5	45.7	45.7	51.4	-	-	-	-	-	-	-
New Haven, CT	-	24.8	32.5	32.5	36.0	36.0	41.5	41.5	45.7	45.7	51.4	51.4	-	-	-	-	-	-
Bridgeport, CT	-	-	-	-	-	-	-	-	-	45.7	51.4	51.4	52.3	-	-	-	-	-
Long Island, NY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Ports of New York/New Jersey																		
	19.2	19.2	25.1	25.1	27.8	27.8	32.1	32.1	35.3	35.3	39.8	39.8	40.5	40.5	-	-	-	-
Mid-Atlantic Delaware Bay																		
	22.8	22.8	29.8	29.8	33.0	33.0	38.1	38.1	41.9	41.9	47.1	47.1	48.0	-	-	-	-	-
Mid-Atlantic Chesapeake Bay																		
Baltimore, MD	22.5	22.5	29.4	29.4	32.6	32.6	37.6	37.6	41.3	41.3	46.5	46.5	47.4	47.4	-	47.4	47.4	47.4
Hampton Roads, VA	22.5	22.5	29.4	29.4	32.6	32.6	37.6	37.6	41.3	41.3	46.5	46.5	47.4	47.4	47.4	47.4	47.4	47.4
Mid-Atlantic Morehead City and Beaufort, NC																		
	-	15.1	-	-	22.0	22.0	-	-	-	27.9	31.4	-	-	-	-	-	-	-
Mid-Atlantic Wilmington, NC																		
	13.2	13.2	17.2	17.2	19.1	19.1	22.0	22.0	24.2	24.2	27.3	-	27.7	-	-	-	-	-
Mid-Atlantic Georgetown, SC																		
	-	20.2	26.4	26.4	-	29.3	33.8	33.8	37.1	-	41.8	-	-	-	-	-	-	-
Mid-Atlantic Charleston, SC																		
	10.3	10.3	13.5	13.5	15.0	15.0	17.3	17.3	19.0	19.0	21.4	21.4	21.8	21.8	-	-	-	-
Mid-Atlantic Savannah, GA																		
	12.7	12.7	16.6	16.6	18.4	18.4	21.2	21.2	23.3	23.3	26.2	-	26.7	-	-	-	-	-
Southeastern US																		
Brunswick, GA	14.3	14.3	18.7	18.7	20.8	20.8	-	24.0	26.3	26.3	-	29.7	-	-	-	-	-	-
Fernandina, FL	-	-	21.6	21.6	-	-	-	27.7	-	-	34.3	-	-	-	-	-	-	-
Jacksonville, FL	-	16.4	21.4	21.4	23.8	23.8	27.4	27.4	30.1	30.1	33.9	33.9	34.5	-	-	-	-	-
Port Canaveral, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Source: Prepared by Nathan Associates Inc.

Table F-14 Combination Carriers: Estimated Minutes of Delay per Vessel Arrival for Speed Restrictions of 10 Knots by Port Area and Vessel DWT

ANPR Port Region and Port Area	DWT (000s)																	
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+
Northeastern US - Gulf of Maine																		
Eastport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Searsport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portland, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portsmouth, NH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Off Race Point																		
Boston, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Salem, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Cape Cod Bay																		
Mid-Atlantic Block Island Sound																		
New Bedford, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Providence, RI	-	-	-	-	-	-	-	-	-	-	51.4	-	52.3	-	-	-	-	-
New London, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Haven, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bridgeport, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Long Island, NY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Ports of New York/New Jersey																		
	-	-	-	-	-	-	-	-	-	35.3	39.8	39.8	40.5	40.5	40.5	-	-	-
Mid-Atlantic Delaware Bay																		
	-	-	-	-	-	-	-	-	-	-	-	-	-	48.0	48.0	-	-	-
Mid-Atlantic Chesapeake Bay																		
Baltimore, MD	-	-	-	-	-	-	-	37.6	-	41.3	-	-	47.4	47.4	-	-	-	-
Hampton Roads, VA	-	-	-	-	-	-	-	-	-	-	-	-	47.4	47.4	47.4	47.4	-	-
Mid-Atlantic Morehead City and Beaufort, NC																		
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Wilmington, NC																		
	-	13.2	-	-	-	-	-	-	-	24.2	-	-	27.7	-	-	-	-	-
Mid-Atlantic Georgetown, SC																		
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Charleston, SC																		
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Savannah, GA																		
	-	12.7	-	-	-	-	-	21.2	-	23.3	-	-	-	-	-	-	-	-
Southeastern US																		
Brunswick, GA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fernandina, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Jacksonville, FL	-	-	-	-	-	-	-	-	30.1	30.1	-	-	-	-	-	-	-	-
Port Canaveral, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Source: Prepared by Nathan Associates Inc.

Table F-15. Containerships: Estimated Minutes of Delay per Vessel Arrival for Speed Restrictions of 10 Knots by Port Area and Vessel DWT

ANPR Port Region and Port Area	DWT (000s)																	
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+
Northeastern US - Gulf of Maine																		
Eastport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Searsport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portland, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portsmouth, NH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Off Race Point																		
Boston, MA	-	55.2	-	68.7	72.4	-	-	79.3	80.9	82.2	84.0	-	-	-	-	-	-	-
Salem, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Cape Cod Bay																		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Block Island Sound																		
New Bedford, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Providence, RI	-	66.2	-	82.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New London, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Haven, CT	-	-	-	-	-	90.2	-	-	-	-	-	-	-	-	-	-	-	-
Bridgeport, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Long Island, NY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Ports of New York/New Jersey																		
-	31.7	51.2	59.0	63.8	67.2	69.7	71.8	73.6	75.0	76.3	78.0	79.8	-	-	-	-	-	-
Mid-Atlantic Delaware Bay																		
-	37.6	60.7	70.0	75.6	79.6	82.7	85.1	87.2	88.9	90.5	92.4	-	-	-	-	-	-	-
Mid-Atlantic Chesapeake Bay																		
Baltimore, MD	37.1	59.9	-	74.6	78.6	81.6	84.0	86.1	87.8	89.3	91.2	-	-	-	-	-	-	-
Hampton Roads, VA	37.1	59.9	69.1	74.6	78.6	81.6	84.0	86.1	87.8	89.3	91.2	93.4	-	-	-	-	-	-
Mid-Atlantic Morehead City and Beaufort, NC																		
-	25.0	-	-	-	53.0	55.0	-	-	59.2	-	-	-	-	-	-	-	-	-
Mid-Atlantic Wilmington, NC																		
-	21.7	35.1	40.4	43.7	46.0	47.8	49.2	50.4	51.4	52.3	53.4	54.7	-	-	-	-	-	-
Mid-Atlantic Georgetown, SC																		
-	-	-	-	-	-	-	-	-	-	80.3	82.0	-	-	-	-	-	-	-
Mid-Atlantic Charleston, SC																		
-	17.1	27.6	31.8	34.4	36.2	37.6	38.7	39.6	40.4	41.1	42.0	43.0	-	44.5	-	-	-	-
Mid-Atlantic Savannah, GA																		
-	20.9	33.8	38.9	42.1	44.3	46.0	47.4	48.5	49.5	50.3	51.4	52.6	-	54.5	-	-	-	-
Southeastern US																		
Brunswick, GA	23.7	-	-	47.6	50.1	52.0	-	54.8	55.9	-	-	-	-	-	-	-	-	-
Fernandina, FL	27.4	44.1	50.9	-	-	-	-	-	64.7	-	-	-	-	-	-	-	-	-
Jacksonville, FL	27.1	43.7	50.4	54.4	57.3	59.5	61.3	62.8	64.0	65.1	66.5	-	-	-	-	-	-	-
Port Canaveral, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Source: Prepared by Nathan Associates Inc.

Table F-16 Freight Barges: Estimated Minutes of Delay per Vessel Arrival for Speed Restrictions of 10 Knots by Port Area and Vessel DWT

ANPR Port Region and Port Area	DWT (000s)																	
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+
Northeastern US - Gulf of Maine																		
Eastport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Searsport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portland, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portsmouth, NH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Off Race Point																		
Boston, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Salem, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Cape Cod Bay																		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Block Island Sound																		
New Bedford, MA	-	-	-	-	72.6	-	-	-	-	-	-	-	-	-	-	-	-	-
Providence, RI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New London, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Haven, CT	30.6	-	-	68.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bridgeport, CT	30.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Long Island, NY	30.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Ports of New York/New Jersey																		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Delaware Bay																		
-	28.1	48.9	57.5	62.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Chesapeake Bay																		
Baltimore, MD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hampton Roads, VA	-	48.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Morehead City and Beaufort, NC																		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Wilmington, NC																		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Georgetown, SC																		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Charleston, SC																		
-	-	-	26.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Savannah, GA																		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Southeastern US																		
Brunswick, GA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fernandina, FL	20.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Jacksonville, FL	20.2	35.2	41.4	45.2	47.9	-	-	-	-	-	56.8	-	-	-	-	-	-	-
Port Canaveral, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Source: Prepared by Nathan Associates Inc.

Table F-17. General Cargo Vessels: Estimated Minutes of Delay per Vessel Arrival for Speed Restrictions of 10 Knots by Port Area and Vessel DWT

ANPR Port Region and Port Area	DWT (000s)																	
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+
Northeastern US - Gulf of Maine																		
Eastport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Searsport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portland, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portsmouth, NH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Off Race Point																		
Boston, MA	25.5	44.4	52.2	-	-	-	-	67.1	-	-	-	-	-	-	-	-	-	-
Salem, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Cape Cod Bay																		
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Block Island Sound																		
New Bedford, MA	30.6	53.3	62.7	-	72.6	-	-	-	-	-	-	-	-	-	-	-	-	-
Providence, RI	30.6	53.3	62.7	-	72.6	75.8	-	80.5	-	-	-	-	-	-	-	-	-	-
New London, CT	-	-	-	68.5	-	-	78.4	80.5	82.4	84.0	-	-	-	-	-	-	-	-
New Haven, CT	-	53.3	62.7	68.5	72.6	75.8	-	-	82.4	84.0	-	-	-	-	-	-	-	-
Bridgeport, CT	-	53.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Long Island, NY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Ports of New York/New Jersey																		
	23.7	41.2	48.5	53.0	56.2	58.6	60.6	62.3	63.7	65.0	-	-	-	-	-	-	-	-
Mid-Atlantic Delaware Bay																		
	28.1	48.9	57.5	62.8	66.6	69.5	71.8	73.8	75.5	77.0	-	-	-	-	-	-	-	-
Mid-Atlantic Chesapeake Bay																		
Baltimore, MD	27.7	48.3	56.7	62.0	65.7	68.6	70.9	72.9	74.6	76.0	-	-	-	-	-	-	-	-
Hampton Roads, VA	27.7	48.3	56.7	62.0	65.7	68.6	70.9	72.9	74.6	76.0	-	-	-	-	-	-	-	-
Mid-Atlantic Morehead City and Beaufort, NC																		
	18.7	32.5	38.2	41.8	44.3	46.2	-	49.1	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Wilmington, NC																		
	16.2	28.3	33.2	36.3	38.5	40.2	41.5	42.7	43.7	44.5	-	-	-	-	-	-	-	-
Mid-Atlantic Georgetown, SC																		
	-	43.4	-	-	-	-	-	-	67.0	-	-	-	-	-	-	-	-	-
Mid-Atlantic Charleston, SC																		
	12.8	22.2	26.1	28.5	30.3	31.6	32.7	33.6	34.3	35.0	-	-	-	-	-	-	-	-
Mid-Atlantic Savannah, GA																		
	15.6	27.2	32.0	34.9	37.0	38.7	40.0	41.1	42.0	42.8	-	-	-	-	-	-	-	-
Southeastern US																		
Brunswick, GA	17.6	30.8	36.2	39.5	41.9	-	45.2	46.4	47.5	-	-	-	-	-	-	-	-	-
Fernandina, FL	20.4	35.6	41.8	45.7	-	-	-	53.7	54.9	56.0	-	-	-	-	-	-	-	-
Jacksonville, FL	20.2	35.2	41.4	45.2	47.9	50.0	51.7	53.2	54.4	55.4	-	-	-	-	-	-	-	-
Port Canaveral, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Source: Prepared by Nathan Associates Inc.

Table F-18. Passenger Vessels: Estimated Minutes of Delay per Vessel Arrival for Speed Restrictions of 10 Knots by Port Area and Vessel DWT

ANPR Port Region and Port Area	DWT (000s)																	
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+
Northeastern US - Gulf of Maine																		
Eastport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Searsport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portland, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portsmouth, NH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Off Race Point																		
Boston, MA	56.3	66.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Salem, MA	56.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Cape Cod Bay																		
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Block Island Sound																		
New Bedford, MA	67.5	80.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Providence, RI	67.5	80.0	90.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New London, CT	67.5	80.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Haven, CT	67.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bridgeport, CT	67.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Long Island, NY	67.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Ports of New York/New Jersey																		
	52.2	61.9	69.6	75.9	81.2	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Delaware Bay																		
	61.9	73.3	82.5	-	96.3	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Chesapeake Bay																		
Baltimore, MD	61.1	72.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hampton Roads, VA	61.1	72.4	81.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Morehead City and Beaufort, NC																		
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Wilmington, NC																		
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Georgetown, SC																		
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Charleston, SC																		
	28.1	33.3	37.5	40.9	43.8	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Savannah, GA																		
	34.4	-	-	-	53.6	-	-	-	-	-	-	-	-	-	-	-	-	-
Southeastern US																		
Brunswick, GA	38.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fernandina, FL	45.0			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Jacksonville, FL	44.6	52.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Port Canaveral, FL	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Source: Prepared by Nathan Associates Inc.

Table F-19.. Refrigerated Cargo Vessels: Estimated Minutes of Delay per Vessel Arrival for Speed Restrictions of 10 Knots by Port Area and Vessel DWT

ANPR Port Region and Port Area	DWT (000s)																	
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+
Northeastern US - Gulf of Maine																		
Eastport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Searsport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portland, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portsmouth, NH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Off Race Point																		
Boston, MA	-	55.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Salem, MA	-	55.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Cape Cod Bay																		
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Block Island Sound																		
New Bedford, MA	-	66.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Providence, RI	-	66.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New London, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Haven, CT	-	-	76.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bridgeport, CT	-	-	76.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Long Island, NY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Ports of New York/New Jersey																		
	-	51.2	59.0	-	-	69.7	-	-	-	-	78.0	-	-	-	-	-	-	-
Mid-Atlantic Delaware Bay																		
	37.6	60.7	70.0	75.6	79.6	82.7	85.1	-	-	-	92.4	-	-	-	-	-	-	-
Mid-Atlantic Chesapeake Bay																		
Baltimore, MD	-	59.9	69.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hampton Roads, VA	-	59.9	69.1	-	-	81.6	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Morehead City and Beaufort, NC																		
	25.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Wilmington, NC																		
	-	35.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Georgetown, SC																		
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Charleston, SC																		
	-	27.6	31.8	34.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Savannah, GA																		
	-	-	-	-	-	46.0	-	-	-	-	51.4	-	-	-	-	-	-	-
Southeastern US																		
Brunswick, GA	-	38.2	44.0	47.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fernandina, FL	-	-	50.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Jacksonville, FL	-	43.7	50.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Port Canaveral, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Source: Prepared by Nathan Associates Inc.

Table F-20. Ro-Ro Vessels: Estimated Minutes of Delay per Vessel Arrival for Speed Restrictions of 10 Knots by Port Area and Vessel DWT

ANPR Port Region and Port Area	DWT (000s)																	
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+
Northeastern US - Gulf of Maine																		
Eastport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Searsport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portland, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portsmouth, NH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Off Race Point																		
Boston, MA	34.2	-	63.6	68.7	72.4	-	-	-	-	-	-	-	-	-	-	-	-	-
Salem, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Cape Cod Bay																		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Block Island Sound																		
New Bedford, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Providence, RI	-	-	76.3	82.5	86.8	-	-	-	-	98.7	-	-	-	-	-	-	-	-
New London, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Haven, CT	-	-	-	82.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bridgeport, CT	41.0	-	-	82.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Long Island, NY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Ports of New York/New Jersey																		
-	31.7	51.2	59.0	63.8	67.2	69.7	71.8	73.6	75.0	76.3	78.0	-	-	-	-	-	-	-
Mid-Atlantic Delaware Bay																		
-	37.6	60.7	70.0	75.6	79.6	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Chesapeake Bay																		
Baltimore, MD	37.1	59.9	69.1	74.6	78.6	81.6	84.0	86.1	87.8	89.3	91.2	-	-	-	-	-	-	-
Hampton Roads, VA	37.1	59.9	69.1	74.6	78.6	81.6	84.0	86.1	87.8	-	91.2	-	-	-	-	-	-	-
Mid-Atlantic Morehead City and Beaufort, NC																		
-	-	-	46.6	50.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Wilmington, NC																		
-	21.7	35.1	40.4	43.7	46.0	-	49.2	-	51.4	-	53.4	-	-	-	-	-	-	-
Mid-Atlantic Georgetown, SC																		
-	-	-	-	67.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Charleston, SC																		
-	17.1	27.6	31.8	34.4	36.2	37.6	38.7	39.6	40.4	41.1	42.0	-	-	-	-	-	-	-
Mid-Atlantic Savannah, GA																		
-	20.9	33.8	38.9	42.1	44.3	46.0	47.4	48.5	49.5	50.3	51.4	-	-	-	-	-	-	-
Southeastern US																		
Brunswick, GA	-	38.2	44.0	47.6	50.1	52.0	-	-	55.9	-	-	-	-	-	-	-	-	-
Fernandina, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Jacksonville, FL	27.1	-	50.4	54.4	57.3	59.5	61.3	62.8	64.0	-	66.5	-	-	-	-	-	-	-
Port Canaveral, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Source: Prepared by Nathan Associates Inc.

Table F-21. Tank Barges: Estimated Minutes of Delay per Vessel Arrival for Speed Restrictions of 10 Knots by Port Area and Vessel DWT

ANPR Port Region and Port Area	DWT (000s)																	
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+
Northeastern US - Gulf of Maine																		
Eastport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Searsport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portland, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portsmouth, NH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Off Race Point																		
Boston, MA	-	40.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Salem, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Cape Cod Bay																		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Block Island Sound																		
New Bedford, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Providence, RI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New London, CT	44.1	48.5	50.5	-	52.8	-	-	-	-	-	-	-	-	-	-	-	-	-
New Haven, CT	44.1	48.5	50.5	51.8	52.8	-	-	-	-	-	-	-	-	-	-	-	-	-
Bridgeport, CT	44.1	48.5	50.5	51.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Long Island, NY	44.1	48.5	50.5	51.8	52.8	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Ports of New York/New Jersey																		
-	34.1	37.5	39.1	-	-	41.4	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Delaware Bay																		
-	40.4	44.5	46.3	47.5	-	49.1	49.7	-	-	51.0	51.5	-	-	-	-	-	-	-
Mid-Atlantic Chesapeake Bay																		
Baltimore, MD	39.9	43.9	45.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hampton Roads, VA	-	-	45.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Morehead City and Beaufort, NC																		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Wilmington, NC																		
-	-	25.7	26.8	27.5	28.0	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Georgetown, SC																		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Charleston, SC																		
-	-	20.2	21.1	21.6	22.0	-	22.6	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Savannah, GA																		
-	-	24.7	25.8	26.4	-	-	-	-	-	28.4	-	-	-	-	-	-	-	-
Southeastern US																		
Brunswick, GA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fernandina, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Jacksonville, FL	-	32.0	-	34.2	-	35.3	35.8	-	-	-	-	-	-	-	-	-	-	-
Port Canaveral, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Source: Prepared by Nathan Associates Inc.

Table F-22. Tankers: Estimated Minutes of Delay per Vessel Arrival for Speed Restrictions of 10 Knots by Port Area and Vessel DWT

ANPR Port Region and Port Area	DWT (000s)																	
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+
Northeastern US - Gulf of Maine																		
Eastport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Searsport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portland, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portsmouth, NH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Off Race Point																		
Boston, MA	36.8	-	42.1	-	-	44.6	45.2	45.6	46.0	46.4	46.8	47.3	-	-	-	-	-	50.2
Salem, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Cape Cod Bay																		
	-	-	-	-	-	-	-	-	-	-	84.3	85.2	86.0	-	-	-	-	-
Mid-Atlantic Block Island Sound																		
New Bedford, MA	-	-	50.5	-	52.8	-	-	-	-	-	-	-	-	-	-	-	-	-
Providence, RI	44.1	48.5	50.5	-	-	53.6	54.2	54.7	55.2	55.6	56.2	56.8	57.3	-	-	-	-	-
New London, CT	-	-	-	51.8	-	-	54.2	-	-	55.6	-	-	-	-	-	-	-	-
New Haven, CT	44.1	-	50.5	51.8	-	53.6	54.2	54.7	55.2	55.6	56.2	-	-	-	58.2	-	-	-
Bridgeport, CT	44.1	-	-	-	-	-	54.2	54.7	-	55.6	-	56.8	-	-	-	-	59.5	-
Long Island, NY	44.1	-	-	51.8	-	-	-	54.7	-	55.6	56.2	56.8	57.3	-	58.2	58.7	59.5	60.2
Mid-Atlantic Ports of New York/New Jersey																		
	34.1	37.5	39.1	40.1	40.8	41.4	41.9	42.3	42.7	43.0	43.4	43.9	44.3	44.7	45.0	45.4	46.0	46.5
Mid-Atlantic Delaware Bay																		
	40.4	44.5	46.3	47.5	48.4	49.1	49.7	50.2	50.6	51.0	51.5	52.1	52.5	53.0	53.3	53.8	54.5	55.2
Mid-Atlantic Chesapeake Bay																		
Baltimore, MD	39.9	43.9	45.7	46.9	47.8	48.5	49.0	49.5	50.0	50.3	50.8	51.4	51.9	-	52.7	53.1	-	54.5
Hampton Roads, VA	39.9	43.9	45.7	46.9	47.8	48.5	49.0	49.5	50.0	50.3	50.8	51.4	51.9	52.3	52.7	53.1	53.8	54.5
Mid-Atlantic Morehead City and Beaufort, NC																		
	-	-	30.8	31.6	-	32.7	33.1	33.4	-	-	-	34.6	-	-	-	-	-	-
Mid-Atlantic Wilmington, NC																		
	23.4	25.7	26.8	27.5	28.0	28.4	28.7	29.0	29.3	29.5	29.8	30.1	-	-	-	-	-	-
Mid-Atlantic Georgetown, SC																		
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Charleston, SC																		
	18.4	20.2	21.1	21.6	22.0	22.3	22.6	22.8	23.0	23.2	23.4	23.7	-	24.1	-	-	-	-
Mid-Atlantic Savannah, GA																		
	22.5	24.7	25.8	26.4	26.9	27.3	27.6	27.9	28.2	28.4	28.6	29.0	29.2	-	-	-	-	-
Southeastern US																		
Brunswick, GA	-	28.0	-	-	-	30.9	31.3	-	-	-	-	-	-	-	-	-	-	-
Fernandina, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Jacksonville, FL	29.1	-	33.3	34.2	34.8	35.3	35.8	36.1	36.4	36.7	37.1	37.5	-	-	-	38.8	-	-
Port Canaveral, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Source: Prepared by Nathan Associates Inc.

Table F-23. Towing Vessels: Estimated Minutes of Delay per Vessel Arrival for Speed Restrictions of 10 Knots by Port Area and Vessel DWT

ANPR Port Region and Port Area	DWT (000s)																	
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+
Northeastern US - Gulf of Maine																		
Eastport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Searsport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portland, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portsmouth, NH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Off Race Point																		
Boston, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Salem, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Cape Cod Bay																		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Block Island Sound																		
New Bedford, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Providence, RI	44.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New London, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Haven, CT	44.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bridgeport, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Long Island, NY	44.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Ports of New York/New Jersey																		
-	34.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Delaware Bay																		
-	40.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Chesapeake Bay																		
Baltimore, MD	39.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hampton Roads, VA	39.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Morehead City and Beaufort, NC																		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Wilmington, NC																		
-	23.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Georgetown, SC																		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Charleston, SC																		
-	18.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Savannah, GA																		
-	22.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Southeastern US																		
Brunswick, GA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fernandina, FL	29.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Jacksonville, FL	29.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Port Canaveral, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Source: Prepared by Nathan Associates Inc.

Table F-24. Other Vessels: Estimated Minutes of Delay per Vessel Arrival for Speed Restrictions of 10 Knots by Port Area and Vessel DWT

ANPR Port Region and Port Area	DWT (000s)																	
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+
Northeastern US - Gulf of Maine																		
Eastport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Searsport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portland, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portsmouth, NH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Off Race Point																		
Boston, MA	25.0	25.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Salem, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Cape Cod Bay																		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Block Island Sound																		
New Bedford, MA	30.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Providence, RI	30.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New London, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Haven, CT	-	30.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bridgeport, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Long Island, NY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Ports of New York/New Jersey																		
-	23.2	23.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Delaware Bay																		
-	27.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Chesapeake Bay																		
Baltimore, MD	-	27.2	-	-	-	-	27.2	-	-	-	-	-	-	-	-	-	-	-
Hampton Roads, VA	27.2	-	-	-	-	-	27.2	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Morehead City and Beaufort, NC																		
-	18.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Wilmington, NC																		
-	15.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Georgetown, SC																		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Charleston, SC																		
-	12.5	12.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Savannah, GA																		
-	15.3	-	15.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Southeastern US																		
Brunswick, GA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fernandina, FL	-	20.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Jacksonville, FL	19.8	19.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Port Canaveral, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Source: Prepared by Nathan Associates Inc.

Table F-25. Bulk Carriers: Estimated Minutes of Delay per Vessel Arrival for Speed Restrictions of 11 Knots by Port Area and Vessel DWT

ANPR Port Region and Port Area	DWT (000s)																	
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+
Northeastern US - Gulf of Maine																		
Eastport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Searsport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portland, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portsmouth, NH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Off Race Point																		
Boston, MA	-	-	13.4	13.4	-	-	-	-	-	-	29.2	-	-	-	-	-	-	-
Salem, MA	-	-	-	-	-	-	-	21.0	24.4	-	-	-	-	-	-	-	-	-
Northeastern US - Cape Cod Bay																		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Block Island Sound																		
New Bedford, MA	-	-	-	-	19.6	-	-	25.2	29.3	29.3	35.1	35.1	36.0	-	-	-	-	-
Providence, RI	-	8.5	-	16.1	19.6	19.6	25.2	25.2	29.3	29.3	-	-	-	-	-	-	-	-
New London, CT	-	-	16.1	16.1	-	-	-	25.2	29.3	29.3	35.1	-	-	-	-	-	-	-
New Haven, CT	-	8.5	16.1	16.1	19.6	19.6	25.2	25.2	29.3	29.3	35.1	35.1	-	-	-	-	-	-
Bridgeport, CT	-	-	-	-	-	-	-	-	-	29.3	35.1	35.1	36.0	-	-	-	-	-
Long Island, NY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Ports of New York/New Jersey																		
-	6.5	6.5	12.4	12.4	15.2	15.2	19.5	19.5	22.7	22.7	27.1	27.1	27.8	27.8	-	-	-	-
Mid-Atlantic Delaware Bay																		
-	7.8	7.8	14.8	14.8	18.0	18.0	23.1	23.1	26.9	26.9	32.1	32.1	33.0	-	-	-	-	-
Mid-Atlantic Chesapeake Bay																		
Baltimore, MD	7.7	7.7	14.6	14.6	17.8	17.8	22.8	22.8	26.5	26.5	31.7	31.7	32.6	32.6	-	32.6	32.6	32.6
Hampton Roads, VA	7.7	7.7	14.6	14.6	17.8	17.8	22.8	22.8	26.5	26.5	31.7	31.7	32.6	32.6	32.6	32.6	32.6	32.6
Mid-Atlantic Morehead City and Beaufort, NC																		
-	-	5.2	-	-	12.0	12.0	-	-	-	17.9	21.4	-	-	-	-	-	-	-
Mid-Atlantic Wilmington, NC																		
-	4.5	4.5	8.5	8.5	10.4	10.4	13.3	13.3	15.5	15.5	18.6	-	19.1	-	-	-	-	-
Mid-Atlantic Georgetown, SC																		
-	-	6.9	13.1	13.1	-	16.0	20.5	20.5	23.8	-	28.5	-	-	-	-	-	-	-
Mid-Atlantic Charleston, SC																		
-	3.5	3.5	6.7	6.7	8.2	8.2	10.5	10.5	12.2	12.2	14.6	14.6	15.0	15.0	-	-	-	-
Mid-Atlantic Savannah, GA																		
-	4.3	4.3	8.2	8.2	10.0	10.0	12.8	12.8	14.9	14.9	17.9	-	18.3	-	-	-	-	-
Southeastern US																		
Brunswick, GA	4.9	4.9	9.3	9.3	11.3	11.3	-	14.5	16.9	16.9	-	20.2	-	-	-	-	-	-
Fernandina, FL	-	-	10.7	10.7	-	-	-	16.8	-	-	23.4	-	-	-	-	-	-	-
Jacksonville, FL	-	5.6	10.6	10.6	13.0	13.0	16.6	16.6	19.3	19.3	23.1	23.1	23.7	-	-	-	-	-
Port Canaveral, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Source: Prepared by Nathan Associates Inc.

Table F-26 Combination Carriers: Estimated Minutes of Delay per Vessel Arrival for Speed Restrictions of 11 Knots by Port Area and Vessel DWT

ANPR Port Region and Port Area	DWT (000s)																	
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+
Northeastern US - Gulf of Maine																		
Eastport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Searsport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portland, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portsmouth, NH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Off Race Point																		
Boston, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Salem, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Cape Cod Bay																		
Mid-Atlantic Block Island Sound																		
New Bedford, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Providence, RI	-	-	-	-	-	-	-	-	-	-	35.1	-	36.0	-	-	-	-	-
New London, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Haven, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bridgeport, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Long Island, NY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Ports of New York/New Jersey																		
	-	-	-	-	-	-	-	-	-	22.7	27.1	27.1	27.8	27.8	27.8	-	-	-
Mid-Atlantic Delaware Bay																		
	-	-	-	-	-	-	-	-	-	-	-	-	-	33.0	33.0	-	-	-
Mid-Atlantic Chesapeake Bay																		
Baltimore, MD	-	-	-	-	-	-	-	22.8	-	26.5	-	-	32.6	32.6	-	-	-	-
Hampton Roads, VA	-	-	-	-	-	-	-	-	-	-	-	-	32.6	32.6	32.6	32.6	-	-
Mid-Atlantic Morehead City and Beaufort, NC																		
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Wilmington, NC																		
	-	4.5	-	-	-	-	-	-	-	15.5	-	-	19.1	-	-	-	-	-
Mid-Atlantic Georgetown, SC																		
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Charleston, SC																		
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Savannah, GA																		
	-	4.3	-	-	-	-	-	12.8	-	14.9	-	-	-	-	-	-	-	-
Southeastern US																		
Brunswick, GA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fernandina, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Jacksonville, FL	-	-	-	-	-	-	-	-	19.3	19.3	-	-	-	-	-	-	-	-
Port Canaveral, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Source: Prepared by Nathan Associates Inc.

Table F-27. Containerships: Estimated Minutes of Delay per Vessel Arrival for Speed Restrictions of 11 Knots by Port Area and Vessel DWT

ANPR Port Region and Port Area	DWT (000s)																	
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+
Northeastern US - Gulf of Maine																		
Eastport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Searsport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portland, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portsmouth, NH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Off Race Point																		
Boston, MA	-	41.5	-	55.1	58.7	-	-	65.6	67.2	68.6	70.4	-	-	-	-	-	-	-
Salem, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Cape Cod Bay																		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Block Island Sound																		
New Bedford, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Providence, RI	-	49.9	-	66.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New London, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Haven, CT	-	-	-	-	-	73.8	-	-	-	-	-	-	-	-	-	-	-	-
Bridgeport, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Long Island, NY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Ports of New York/New Jersey																		
-	19.1	38.6	46.4	51.1	54.5	57.1	59.2	60.9	62.4	63.7	65.3	67.2	-	-	-	-	-	-
Mid-Atlantic Delaware Bay																		
-	22.6	45.7	55.0	60.6	64.6	67.7	70.1	72.2	73.9	75.5	77.4	-	-	-	-	-	-	-
Mid-Atlantic Chesapeake Bay																		
Baltimore, MD	22.3	45.1	-	59.8	63.8	66.8	69.2	71.3	73.0	74.5	76.4	-	-	-	-	-	-	-
Hampton Roads, VA	22.3	45.1	54.3	59.8	63.8	66.8	69.2	71.3	73.0	74.5	76.4	78.6	-	-	-	-	-	-
Mid-Atlantic Morehead City and Beaufort, NC																		
-	15.0	-	-	-	43.0	45.0	-	-	49.2	-	-	-	-	-	-	-	-	-
Mid-Atlantic Wilmington, NC																		
-	13.1	26.4	31.8	35.0	37.4	39.1	40.5	41.7	42.7	43.6	44.8	46.0	-	-	-	-	-	-
Mid-Atlantic Georgetown, SC																		
-	-	-	-	-	-	-	-	-	-	67.0	68.7	-	-	-	-	-	-	-
Mid-Atlantic Charleston, SC																		
-	10.3	20.8	25.0	27.5	29.4	30.8	31.9	32.8	33.6	34.3	35.2	36.2	-	37.7	-	-	-	-
Mid-Atlantic Savannah, GA																		
-	12.6	25.4	30.6	33.7	35.9	37.6	39.0	40.2	41.1	42.0	43.1	44.3	-	46.2	-	-	-	-
Southeastern US																		
Brunswick, GA	14.2	-	-	38.1	40.6	42.6	-	45.4	46.5	-	-	-	-	-	-	-	-	-
Fernandina, FL	16.4	33.2	40.0	-	-	-	-	-	53.8	-	-	-	-	-	-	-	-	-
Jacksonville, FL	16.3	32.9	39.6	43.6	46.5	48.7	50.5	52.0	53.2	54.3	55.7	-	-	-	-	-	-	-
Port Canaveral, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Source: Prepared by Nathan Associates Inc.

Table F-28 Freight Barges: Estimated Minutes of Delay per Vessel Arrival for Speed Restrictions of 11 Knots by Port Area and Vessel DWT

ANPR Port Region and Port Area	DWT (000s)																	
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+
Northeastern US - Gulf of Maine																		
Eastport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Searsport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portland, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portsmouth, NH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Off Race Point																		
Boston, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Salem, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Cape Cod Bay																		
Mid-Atlantic Block Island Sound																		
New Bedford, MA	-	-	-	-	56.2	-	-	-	-	-	-	-	-	-	-	-	-	-
Providence, RI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New London, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Haven, CT	14.2	-	-	52.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bridgeport, CT	14.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Long Island, NY	14.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Ports of New York/New Jersey																		
Mid-Atlantic Delaware Bay																		
	13.1	33.9	42.5	47.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Chesapeake Bay																		
Baltimore, MD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hampton Roads, VA	-	33.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Morehead City and Beaufort, NC																		
Mid-Atlantic Wilmington, NC																		
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Georgetown, SC																		
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Charleston, SC																		
	-	-	19.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Savannah, GA																		
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Southeastern US																		
Brunswick, GA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fernandina, FL	9.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Jacksonville, FL	9.4	24.4	30.6	34.4	37.1	-	-	-	-	-	46.0	-	-	-	-	-	-	-
Port Canaveral, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Source: Prepared by Nathan Associates Inc.

Table F-29. General Cargo Vessels: Estimated Minutes of Delay per Vessel Arrival for Speed Restrictions of 11 Knots by Port Area and Vessel DWT

ANPR Port Region and Port Area	DWT (000s)																	
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+
Northeastern US - Gulf of Maine																		
Eastport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Searsport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portland, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portsmouth, NH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Off Race Point																		
Boston, MA	11.9	30.8	38.6	-	-	-	-	53.5	-	-	-	-	-	-	-	-	-	-
Salem, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Cape Cod Bay																		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Block Island Sound																		
New Bedford, MA	14.2	37.0	46.3	-	56.2	-	-	-	-	-	-	-	-	-	-	-	-	-
Providence, RI	14.2	37.0	46.3	-	56.2	59.4	-	64.2	-	-	-	-	-	-	-	-	-	-
New London, CT	-	-	-	52.1	-	-	62.0	64.2	66.0	67.6	-	-	-	-	-	-	-	-
New Haven, CT	-	37.0	46.3	52.1	56.2	59.4	-	-	66.0	67.6	-	-	-	-	-	-	-	-
Bridgeport, CT	-	37.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Long Island, NY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Ports of New York/New Jersey																		
-	11.0	28.6	35.8	40.3	43.5	46.0	48.0	49.6	51.1	52.3	-	-	-	-	-	-	-	-
Mid-Atlantic Delaware Bay																		
-	13.1	33.9	42.5	47.8	51.6	54.5	56.8	58.8	60.5	62.0	-	-	-	-	-	-	-	-
Mid-Atlantic Chesapeake Bay																		
Baltimore, MD	12.9	33.5	41.9	47.2	50.9	53.8	56.1	58.1	59.8	61.2	-	-	-	-	-	-	-	-
Hampton Roads, VA	12.9	33.5	41.9	47.2	50.9	53.8	56.1	58.1	59.8	61.2	-	-	-	-	-	-	-	-
Mid-Atlantic Morehead City and Beaufort, NC																		
-	8.7	22.6	28.3	31.8	34.3	36.3	-	39.1	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Wilmington, NC																		
-	7.5	19.6	24.6	27.6	29.8	31.5	32.9	34.0	35.0	35.9	-	-	-	-	-	-	-	-
Mid-Atlantic Georgetown, SC																		
-	-	30.1	-	-	-	-	-	-	53.7	-	-	-	-	-	-	-	-	-
Mid-Atlantic Charleston, SC																		
-	5.9	15.4	19.3	21.7	23.4	24.8	25.8	26.7	27.5	28.2	-	-	-	-	-	-	-	-
Mid-Atlantic Savannah, GA																		
-	7.3	18.9	23.6	26.6	28.7	30.3	31.6	32.7	33.7	34.5	-	-	-	-	-	-	-	-
Southeastern US																		
Brunswick, GA	8.2	21.3	26.7	30.1	32.4	-	35.8	37.0	38.1	-	-	-	-	-	-	-	-	-
Fernandina, FL	9.5	24.6	30.9	34.7	-	-	-	42.8	44.0	45.1	-	-	-	-	-	-	-	-
Jacksonville, FL	9.4	24.4	30.6	34.4	37.1	39.2	40.9	42.4	43.6	44.6	-	-	-	-	-	-	-	-
Port Canaveral, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Source: Prepared by Nathan Associates Inc.

Table F-30. Passenger Vessels: Estimated Minutes of Delay per Vessel Arrival for Speed Restrictions of 11 Knots by Port Area and Vessel DWT

ANPR Port Region and Port Area	DWT (000s)																	
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+
Northeastern US - Gulf of Maine																		
Eastport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Searsport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portland, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portsmouth, NH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Off Race Point																		
Boston, MA	42.6	53.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Salem, MA	42.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Cape Cod Bay																		
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Block Island Sound																		
New Bedford, MA	51.1	63.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Providence, RI	51.1	63.6	73.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New London, CT	51.1	63.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Haven, CT	51.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bridgeport, CT	51.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Long Island, NY	51.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Ports of New York/New Jersey																		
	39.5	49.2	56.9	63.3	68.5	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Delaware Bay																		
	46.9	58.3	67.5	-	81.3	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Chesapeake Bay																		
Baltimore, MD	46.3	57.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hampton Roads, VA	46.3	57.6	66.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Morehead City and Beaufort, NC																		
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Wilmington, NC																		
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Georgetown, SC																		
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Charleston, SC																		
	21.3	26.5	30.7	34.1	36.9	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Savannah, GA																		
	26.1	-	-	-	45.2	-	-	-	-	-	-	-	-	-	-	-	-	-
Southeastern US																		
Brunswick, GA	29.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fernandina, FL	34.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Jacksonville, FL	33.8	42.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Port Canaveral, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Source: Prepared by Nathan Associates Inc.

Table F-31. Refrigerated Cargo Vessels: Estimated Minutes of Delay per Vessel Arrival for Speed Restrictions of 11 Knots by Port Area and Vessel DWT

ANPR Port Region and Port Area	DWT (000s)																	
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+
Northeastern US - Gulf of Maine																		
Eastport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Searsport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portland, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portsmouth, NH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Off Race Point																		
Boston, MA	-	41.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Salem, MA	-	41.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Cape Cod Bay																		
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Block Island Sound																		
New Bedford, MA	-	49.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Providence, RI	-	49.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New London, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Haven, CT	-	-	60.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bridgeport, CT	-	-	60.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Long Island, NY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Ports of New York/New Jersey																		
	-	38.6	46.4	-	-	57.1	-	-	-	-	65.3	-	-	-	-	-	-	-
Mid-Atlantic Delaware Bay																		
	22.6	45.7	55.0	60.6	64.6	67.7	70.1	-	-	-	77.4	-	-	-	-	-	-	-
Mid-Atlantic Chesapeake Bay																		
Baltimore, MD	-	45.1	54.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hampton Roads, VA	-	45.1	54.3	-	-	66.8	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Morehead City and Beaufort, NC																		
	15.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Wilmington, NC																		
	-	26.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Georgetown, SC																		
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Charleston, SC																		
	-	20.8	25.0	27.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Savannah, GA																		
	-	-	-	-	-	37.6	-	-	-	-	43.1	-	-	-	-	-	-	-
Southeastern US																		
Brunswick, GA	-	28.7	34.6	38.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fernandina, FL	-	-	40.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Jacksonville, FL	-	32.9	39.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Port Canaveral, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Source: Prepared by Nathan Associates Inc.

Table F-32. Ro-Ro Vessels: Estimated Minutes of Delay per Vessel Arrival for Speed Restrictions of 11 Knots by Port Area and Vessel DWT

ANPR Port Region and Port Area	DWT (000s)																	
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+
Northeastern US - Gulf of Maine																		
Eastport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Searsport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portland, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portsmouth, NH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Off Race Point																		
Boston, MA	20.6	-	50.0	55.1	58.7	-	-	-	-	-	-	-	-	-	-	-	-	-
Salem, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Cape Cod Bay																		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Block Island Sound																		
New Bedford, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Providence, RI	-	-	60.0	66.1	70.5	-	-	-	-	82.3	-	-	-	-	-	-	-	-
New London, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Haven, CT	-	-	-	66.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bridgeport, CT	24.7	-	-	66.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Long Island, NY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Ports of New York/New Jersey																		
-	19.1	38.6	46.4	51.1	54.5	57.1	59.2	60.9	62.4	63.7	65.3	-	-	-	-	-	-	-
Mid-Atlantic Delaware Bay																		
-	22.6	45.7	55.0	60.6	64.6	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Chesapeake Bay																		
Baltimore, MD	22.3	45.1	54.3	59.8	63.8	66.8	69.2	71.3	73.0	74.5	76.4	-	-	-	-	-	-	-
Hampton Roads, VA	22.3	45.1	54.3	59.8	63.8	66.8	69.2	71.3	73.0	-	76.4	-	-	-	-	-	-	-
Mid-Atlantic Morehead City and Beaufort, NC																		
-	-	-	36.6	40.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Wilmington, NC																		
-	13.1	26.4	31.8	35.0	37.4	-	40.5	-	42.7	-	44.8	-	-	-	-	-	-	-
Mid-Atlantic Georgetown, SC																		
-	-	-	-	53.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Charleston, SC																		
-	10.3	20.8	25.0	27.5	29.4	30.8	31.9	32.8	33.6	34.3	35.2	-	-	-	-	-	-	-
Mid-Atlantic Savannah, GA																		
-	12.6	25.4	30.6	33.7	35.9	37.6	39.0	40.2	41.1	42.0	43.1	-	-	-	-	-	-	-
Southeastern US																		
Brunswick, GA	-	28.7	34.6	38.1	40.6	42.6	-	-	46.5	-	-	-	-	-	-	-	-	-
Fernandina, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Jacksonville, FL	16.3	-	39.6	43.6	46.5	48.7	50.5	52.0	53.2	-	55.7	-	-	-	-	-	-	-
Port Canaveral, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Source: Prepared by Nathan Associates Inc.

Table F-33 Tank Barges: Estimated Minutes of Delay per Vessel Arrival for Speed Restrictions of 11 Knots by Port Area and Vessel DWT

ANPR Port Region and Port Area	DWT (000s)																	
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+
Northeastern US - Gulf of Maine																		
Eastport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Searsport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portland, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portsmouth, NH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Off Race Point																		
Boston, MA	-	26.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Salem, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Cape Cod Bay																		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Block Island Sound																		
New Bedford, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Providence, RI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New London, CT	27.7	32.2	34.2	-	36.4	-	-	-	-	-	-	-	-	-	-	-	-	-
New Haven, CT	27.7	32.2	34.2	35.5	36.4	-	-	-	-	-	-	-	-	-	-	-	-	-
Bridgeport, CT	27.7	32.2	34.2	35.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Long Island, NY	27.7	32.2	34.2	35.5	36.4	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Ports of New York/New Jersey																		
-	21.5	24.9	26.4	-	-	28.8	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Delaware Bay																		
-	25.4	29.5	31.3	32.5	-	34.1	34.7	-	-	36.0	36.5	-	-	-	-	-	-	-
Mid-Atlantic Chesapeake Bay																		
Baltimore, MD	25.1	29.1	30.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hampton Roads, VA	-	-	30.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Morehead City and Beaufort, NC																		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Wilmington, NC																		
-	-	17.0	18.1	18.8	19.3	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Georgetown, SC																		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Charleston, SC																		
-	-	13.4	14.2	14.8	15.2	-	15.8	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Savannah, GA																		
-	-	16.4	17.4	18.1	-	-	-	-	-	20.0	-	-	-	-	-	-	-	-
Southeastern US																		
Brunswick, GA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fernandina, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Jacksonville, FL	-	21.2	-	23.4	-	24.5	25.0	-	-	-	-	-	-	-	-	-	-	-
Port Canaveral, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Source: Prepared by Nathan Associates Inc.

Table F-34. Tankers: Estimated Minutes of Delay per Vessel Arrival for Speed Restrictions of 11 Knots by Port Area and Vessel DWT

ANPR Port Region and Port Area	DWT (000s)																	
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+
Northeastern US - Gulf of Maine																		
Eastport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Searsport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portland, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portsmouth, NH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Off Race Point																		
Boston, MA	23.1	-	28.5	-	-	31.0	31.5	32.0	32.4	32.7	33.2	33.7	-	-	-	-	-	36.5
Salem, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Cape Cod Bay																		
	-	-	-	-	-	-	-	-	-	-	59.7	60.6	61.4	-	-	-	-	-
Mid-Atlantic Block Island Sound																		
New Bedford, MA	-	-	34.2	-	36.4	-	-	-	-	-	-	-	-	-	-	-	-	-
Providence, RI	27.7	32.2	34.2	-	-	37.2	37.8	38.4	38.8	39.3	39.8	40.4	41.0	-	-	-	-	-
New London, CT	-	-	-	35.5	-	-	37.8	-	-	39.3	-	-	-	-	-	-	-	-
New Haven, CT	27.7	-	34.2	35.5	-	37.2	37.8	38.4	38.8	39.3	39.8	-	-	-	41.8	-	-	-
Bridgeport, CT	27.7	-	-	-	-	-	37.8	38.4	-	39.3	-	40.4	-	-	-	-	43.1	-
Long Island, NY	27.7	-	-	35.5	-	-	-	38.4	-	39.3	39.8	40.4	41.0	-	41.8	42.4	43.1	43.8
Mid-Atlantic Ports of New York/New Jersey																		
	21.5	24.9	26.4	27.4	28.2	28.8	29.3	29.7	30.0	30.4	30.8	31.3	31.7	32.0	32.3	32.8	33.3	33.9
Mid-Atlantic Delaware Bay																		
	25.4	29.5	31.3	32.5	33.4	34.1	34.7	35.2	35.6	36.0	36.5	37.1	37.5	38.0	38.3	38.8	39.5	40.2
Mid-Atlantic Chesapeake Bay																		
Baltimore, MD	25.1	29.1	30.9	32.1	33.0	33.7	34.2	34.7	35.2	35.5	36.0	36.6	37.1	-	37.8	38.3	-	39.7
Hampton Roads, VA	25.1	29.1	30.9	32.1	33.0	33.7	34.2	34.7	35.2	35.5	36.0	36.6	37.1	37.5	37.8	38.3	39.0	39.7
Mid-Atlantic Morehead City and Beaufort, NC																		
	-	-	20.8	21.6	-	22.7	23.1	23.4	-	-	-	24.7	-	-	-	-	-	-
Mid-Atlantic Wilmington, NC																		
	14.7	17.0	18.1	18.8	19.3	19.7	20.0	20.3	20.6	20.8	21.1	21.4	-	-	-	-	-	-
Mid-Atlantic Georgetown, SC																		
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Charleston, SC																		
	11.6	13.4	14.2	14.8	15.2	15.5	15.8	16.0	16.2	16.4	16.6	16.8	-	17.3	-	-	-	-
Mid-Atlantic Savannah, GA																		
	14.1	16.4	17.4	18.1	18.6	19.0	19.3	19.6	19.8	20.0	20.3	20.6	20.9	-	-	-	-	-
Southeastern US																		
Brunswick, GA	-	18.5	-	-	-	21.4	21.8	-	-	-	-	-	-	-	-	-	-	-
Fernandina, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Jacksonville, FL	18.3	-	22.5	23.4	24.0	24.5	25.0	25.3	25.6	25.9	26.3	26.7	-	-	-	28.0	-	-
Port Canaveral, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Source: Prepared by Nathan Associates Inc.

Table F-35. Towing Vessels:Estimated Minutes of Delay per Vessel Arrival for Speed Restrictions of 11 Knots by Port Area and Vessel DWT

ANPR Port Region and Port Area	DWT (000s)																	
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+
Northeastern US - Gulf of Maine																		
Eastport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Searsport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portland, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portsmouth, NH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Off Race Point																		
Boston, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Salem, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Cape Cod Bay																		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Block Island Sound																		
New Bedford, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Providence, RI	27.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New London, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Haven, CT	27.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bridgeport, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Long Island, NY	27.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Ports of New York/New Jersey																		
-	21.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Delaware Bay																		
-	25.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Chesapeake Bay																		
Baltimore, MD	25.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hampton Roads, VA	25.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Morehead City and Beaufort, NC																		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Wilmington, NC																		
-	14.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Georgetown, SC																		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Charleston, SC																		
-	11.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Savannah, GA																		
-	14.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Southeastern US																		
Brunswick, GA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fernandina, FL	18.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Jacksonville, FL	18.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Port Canaveral, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Source: Prepared by Nathan Associates Inc.

Table F-36. Other Vessels: Estimated Minutes of Delay per Vessel Arrival for Speed Restrictions of 11 Knots by Port Area and Vessel DWT

ANPR Port Region and Port Area	DWT (000s)																	
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+
Northeastern US - Gulf of Maine																		
Eastport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Searsport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portland, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portsmouth, NH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Off Race Point																		
Boston, MA	11.4	11.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Salem, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Cape Cod Bay																		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Block Island Sound																		
New Bedford, MA	13.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Providence, RI	13.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New London, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Haven, CT	-	13.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bridgeport, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Long Island, NY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Ports of New York/New Jersey																		
-	10.5	10.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Delaware Bay																		
-	12.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Chesapeake Bay																		
Baltimore, MD	-	12.3	-	-	-	-	12.3	-	-	-	-	-	-	-	-	-	-	-
Hampton Roads, VA	12.3	-	-	-	-	-	12.3	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Morehead City and Beaufort, NC																		
-	8.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Wilmington, NC																		
-	7.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Georgetown, SC																		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Charleston, SC																		
-	5.7	5.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Savannah, GA																		
-	7.0	-	7.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Southeastern US																		
Brunswick, GA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fernandina, FL	-	9.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Jacksonville, FL	9.0	9.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Port Canaveral, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Source: Prepared by Nathan Associates Inc.

Table F-37. Bulk Carriers: Estimated Minutes of Delay per Vessel Arrival for Speed Restrictions of 13 Knots by Port Area and Vessel DWT

ANPR Port Region and Port Area	DWT (000s)																	
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+
Northeastern US - Gulf of Maine																		
Eastport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Searsport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portland, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portsmouth, NH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Off Race Point																		
Boston, MA	-	-	-	-	-	-	-	-	-	-	8.2	-	-	-	-	-	-	-
Salem, MA	-	-	-	-	-	-	-	-	3.4	-	-	-	-	-	-	-	-	-
Northeastern US - Cape Cod Bay																		
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Block Island Sound																		
New Bedford, MA	-	-	-	-	-	-	-	-	4.1	4.1	9.9	9.9	10.8	-	-	-	-	-
Providence, RI	-	-	-	-	-	-	-	-	4.1	4.1	-	-	-	-	-	-	-	-
New London, CT	-	-	-	-	-	-	-	-	4.1	4.1	9.9	-	-	-	-	-	-	-
New Haven, CT	-	-	-	-	-	-	-	-	4.1	4.1	9.9	9.9	-	-	-	-	-	-
Bridgeport, CT	-	-	-	-	-	-	-	-	-	4.1	9.9	9.9	10.8	-	-	-	-	-
Long Island, NY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Ports of New York/New Jersey																		
	-	-	-	-	-	-	-	-	3.2	3.2	7.6	7.6	8.4	8.4	-	-	-	-
Mid-Atlantic Delaware Bay																		
	-	-	-	-	-	-	-	-	3.8	3.8	9.1	9.1	9.9	-	-	-	-	-
Mid-Atlantic Chesapeake Bay																		
Baltimore, MD	-	-	-	-	-	-	-	-	3.7	3.7	9.0	9.0	9.8	9.8	-	9.8	9.8	9.8
Hampton Roads, VA	-	-	-	-	-	-	-	-	3.7	3.7	9.0	9.0	9.8	9.8	9.8	9.8	9.8	9.8
Mid-Atlantic Morehead City and Beaufort, NC																		
	-	-	-	-	-	-	-	-	-	2.5	6.0	-	-	-	-	-	-	-
Mid-Atlantic Wilmington, NC																		
	-	-	-	-	-	-	-	-	2.2	2.2	5.2	-	5.7	-	-	-	-	-
Mid-Atlantic Georgetown, SC																		
	-	-	-	-	-	-	-	-	3.4	-	8.0	-	-	-	-	-	-	-
Mid-Atlantic Charleston, SC																		
	-	-	-	-	-	-	-	-	1.7	1.7	4.1	4.1	4.5	4.5	-	-	-	-
Mid-Atlantic Savannah, GA																		
	-	-	-	-	-	-	-	-	2.1	2.1	5.0	-	5.5	-	-	-	-	-
Southeastern US																		
Brunswick, GA	-	-	-	-	-	-	-	-	2.4	2.4	-	5.7	-	-	-	-	-	-
Fernandina, FL	-	-	-	-	-	-	-	-	-	-	6.6	-	-	-	-	-	-	-
Jacksonville, FL	-	-	-	-	-	-	-	-	2.7	2.7	6.5	6.5	7.1	-	-	-	-	-
Port Canaveral, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Source: Prepared by Nathan Associates Inc.

Table F-38 Combination Carriers: Estimated Minutes of Delay per Vessel Arrival for Speed Restrictions of 13 Knots by Port Area and Vessel DWT

ANPR Port Region and Port Area	DWT (000s)																	
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+
Northeastern US - Gulf of Maine																		
Eastport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Searsport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portland, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portsmouth, NH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Off Race Point																		
Boston, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Salem, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Cape Cod Bay																		
Mid-Atlantic Block Island Sound																		
New Bedford, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Providence, RI	-	-	-	-	-	-	-	-	-	-	9.9	-	10.8	-	-	-	-	-
New London, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Haven, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bridgeport, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Long Island, NY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Ports of New York/New Jersey																		
	-	-	-	-	-	-	-	-	-	3.2	7.6	7.6	8.4	8.4	8.4	-	-	-
Mid-Atlantic Delaware Bay																		
	-	-	-	-	-	-	-	-	-	-	-	-	-	9.9	9.9	-	-	-
Mid-Atlantic Chesapeake Bay																		
Baltimore, MD	-	-	-	-	-	-	-	-	-	3.7	-	-	9.8	9.8	-	-	-	-
Hampton Roads, VA	-	-	-	-	-	-	-	-	-	-	-	-	9.8	9.8	9.8	9.8	-	-
Mid-Atlantic Morehead City and Beaufort, NC																		
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Wilmington, NC																		
	-	-	-	-	-	-	-	-	-	2.2	-	-	5.7	-	-	-	-	-
Mid-Atlantic Georgetown, SC																		
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Charleston, SC																		
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Savannah, GA																		
	-	-	-	-	-	-	-	-	-	2.1	-	-	-	-	-	-	-	-
Southeastern US																		
Brunswick, GA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fernandina, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Jacksonville, FL	-	-	-	-	-	-	-	-	2.7	2.7	-	-	-	-	-	-	-	-
Port Canaveral, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Source: Prepared by Nathan Associates Inc.

Table F-39. Containerships: Estimated Minutes of Delay per Vessel Arrival for Speed Restrictions of 13 Knots by Port Area and Vessel DWT

ANPR Port Region and Port Area	DWT (000s)																	
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+
Northeastern US - Gulf of Maine																		
Eastport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Searsport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portland, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portsmouth, NH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Off Race Point																		
Boston, MA	-	20.6	-	34.1	37.7	-	-	44.6	46.2	47.6	49.4	-	-	-	-	-	-	-
Salem, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Cape Cod Bay																		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Block Island Sound																		
New Bedford, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Providence, RI	-	24.7	-	40.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New London, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Haven, CT	-	-	-	-	-	48.6	-	-	-	-	-	-	-	-	-	-	-	-
Bridgeport, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Long Island, NY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Ports of New York/New Jersey																		
-	-	19.1	26.9	31.7	35.0	37.6	39.7	41.4	42.9	44.2	45.8	47.7	-	-	-	-	-	-
Mid-Atlantic Delaware Bay																		
-	-	22.6	31.9	37.5	41.5	44.6	47.1	49.1	50.9	52.4	54.3	-	-	-	-	-	-	-
Mid-Atlantic Chesapeake Bay																		
Baltimore, MD	-	22.3	-	37.1	41.0	44.0	46.5	48.5	50.2	51.7	53.7	-	-	-	-	-	-	-
Hampton Roads, VA	-	22.3	31.5	37.1	41.0	44.0	46.5	48.5	50.2	51.7	53.7	55.8	-	-	-	-	-	-
Mid-Atlantic Morehead City and Beaufort, NC																		
-	-	-	-	-	27.6	29.7	-	-	33.8	-	-	-	-	-	-	-	-	-
Mid-Atlantic Wilmington, NC																		
-	-	13.1	18.4	21.7	24.0	25.8	27.2	28.4	29.4	30.3	31.4	32.7	-	-	-	-	-	-
Mid-Atlantic Georgetown, SC																		
-	-	-	-	-	-	-	-	-	-	46.5	48.2	-	-	-	-	-	-	-
Mid-Atlantic Charleston, SC																		
-	-	10.3	14.5	17.1	18.9	20.3	21.4	22.3	23.1	23.8	24.7	25.7	-	27.2	-	-	-	-
Mid-Atlantic Savannah, GA																		
-	-	12.6	17.7	20.9	23.1	24.8	26.2	27.3	28.3	29.1	30.2	31.4	-	33.3	-	-	-	-
Southeastern US																		
Brunswick, GA	-	-	-	23.6	26.1	28.0	-	30.9	32.0	-	-	-	-	-	-	-	-	-
Fernandina, FL	-	16.5	23.2	-	-	-	-	-	37.0	-	-	-	-	-	-	-	-	-
Jacksonville, FL	-	16.3	23.0	27.0	29.9	32.1	33.9	35.4	36.6	37.7	39.1	-	-	-	-	-	-	-
Port Canaveral, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Source: Prepared by Nathan Associates Inc.

Table F-40 Freight Barges: Estimated Minutes of Delay per Vessel Arrival for Speed Restrictions of 13 Knots by Port Area and Vessel DWT

ANPR Port Region and Port Area	DWT (000s)																	
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+
Northeastern US - Gulf of Maine																		
Eastport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Searsport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portland, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portsmouth, NH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Off Race Point																		
Boston, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Salem, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Cape Cod Bay																		
Mid-Atlantic Block Island Sound																		
New Bedford, MA	-	-	-	-	31.1	-	-	-	-	-	-	-	-	-	-	-	-	-
Providence, RI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New London, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Haven, CT	-	-	-	26.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bridgeport, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Long Island, NY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Ports of New York/New Jersey																		
Mid-Atlantic Delaware Bay																		
	-	10.8	19.4	24.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Chesapeake Bay																		
Baltimore, MD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hampton Roads, VA	-	10.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Morehead City and Beaufort, NC																		
Mid-Atlantic Wilmington, NC																		
Mid-Atlantic Georgetown, SC																		
Mid-Atlantic Charleston, SC																		
	-	-	8.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Savannah, GA																		
Southeastern US																		
Brunswick, GA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fernandina, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Jacksonville, FL	-	7.8	14.0	17.8	20.5	-	-	-	-	-	29.4	-	-	-	-	-	-	-
Port Canaveral, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Source: Prepared by Nathan Associates Inc.

Table F-41. General Cargo Vessels: Estimated Minutes of Delay per Vessel Arrival for Speed Restrictions of 13 Knots by Port Area and Vessel DWT

ANPR Port Region and Port Area	DWT (000s)																	
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+
Northeastern US - Gulf of Maine																		
Eastport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Searsport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portland, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portsmouth, NH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Off Race Point																		
Boston, MA	-	9.8	17.6	-	-	-	-	32.5	-	-	-	-	-	-	-	-	-	-
Salem, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Cape Cod Bay																		
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Block Island Sound																		
New Bedford, MA	-	11.8	21.2	-	31.1	-	-	-	-	-	-	-	-	-	-	-	-	-
Providence, RI	-	11.8	21.2	-	31.1	34.3	-	39.0	-	-	-	-	-	-	-	-	-	-
New London, CT	-	-	-	26.9	-	-	36.8	39.0	40.9	42.5	-	-	-	-	-	-	-	-
New Haven, CT	-	11.8	21.2	26.9	31.1	34.3	-	-	40.9	42.5	-	-	-	-	-	-	-	-
Bridgeport, CT	-	11.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Long Island, NY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Ports of New York/New Jersey																		
	-	9.1	16.4	20.8	24.0	26.5	28.5	30.2	31.6	32.8	-	-	-	-	-	-	-	-
Mid-Atlantic Delaware Bay																		
	-	10.8	19.4	24.7	28.5	31.4	33.8	35.8	37.5	38.9	-	-	-	-	-	-	-	-
Mid-Atlantic Chesapeake Bay																		
Baltimore, MD	-	10.7	19.1	24.4	28.1	31.0	33.3	35.3	37.0	38.4	-	-	-	-	-	-	-	-
Hampton Roads, VA	-	10.7	19.1	24.4	28.1	31.0	33.3	35.3	37.0	38.4	-	-	-	-	-	-	-	-
Mid-Atlantic Morehead City and Beaufort, NC																		
	-	7.2	12.9	16.4	19.0	20.9	-	23.8	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Wilmington, NC																		
	-	6.3	11.2	14.3	16.5	18.2	19.5	20.7	21.7	22.5	-	-	-	-	-	-	-	-
Mid-Atlantic Georgetown, SC																		
	-	9.6	-	-	-	-	-	-	33.2	-	-	-	-	-	-	-	-	-
Mid-Atlantic Charleston, SC																		
	-	4.9	8.8	11.2	12.9	14.3	15.4	16.3	17.0	17.7	-	-	-	-	-	-	-	-
Mid-Atlantic Savannah, GA																		
	-	6.0	10.8	13.7	15.8	17.5	18.8	19.9	20.8	21.7	-	-	-	-	-	-	-	-
Southeastern US																		
Brunswick, GA	-	6.8	12.2	15.5	17.9	-	21.2	22.5	23.6	-	-	-	-	-	-	-	-	-
Fernandina, FL	-	7.9	14.1	18.0	-	-	-	26.0	27.2	28.3	-	-	-	-	-	-	-	-
Jacksonville, FL	-	7.8	14.0	17.8	20.5	22.6	24.3	25.7	27.0	28.0	-	-	-	-	-	-	-	-
Port Canaveral, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Source: Prepared by Nathan Associates Inc.

Table F-42. Passenger Vessels: Estimated Minutes of Delay per Vessel Arrival for Speed Restrictions of 13 Knots by Port Area and Vessel DWT

ANPR Port Region and Port Area	DWT (000s)																	
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+
Northeastern US - Gulf of Maine																		
Eastport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Searsport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portland, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portsmouth, NH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Off Race Point																		
Boston, MA	21.6	32.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Salem, MA	21.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Cape Cod Bay																		
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Block Island Sound																		
New Bedford, MA	26.0	38.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Providence, RI	26.0	38.5	48.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New London, CT	26.0	38.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Haven, CT	26.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bridgeport, CT	26.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Long Island, NY	26.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Ports of New York/New Jersey																		
	20.1	29.7	37.5	43.8	49.1	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Delaware Bay																		
	23.8	35.3	44.4	-	58.2	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Chesapeake Bay																		
Baltimore, MD	23.5	34.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hampton Roads, VA	23.5	34.8	43.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Morehead City and Beaufort, NC																		
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Wilmington, NC																		
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Georgetown, SC																		
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Charleston, SC																		
	10.8	16.0	20.2	23.6	26.4	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Savannah, GA																		
	13.2	-	-	-	32.4	-	-	-	-	-	-	-	-	-	-	-	-	-
Southeastern US																		
Brunswick, GA	15.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fernandina, FL	17.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Jacksonville, FL	17.1	25.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Port Canaveral, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Source: Prepared by Nathan Associates Inc.

Table F-43. Refrigerated Cargo Vessels: Estimated Minutes of Delay per Vessel Arrival for Speed Restrictions of 13 Knots by Port Area and Vessel DWT

ANPR Port Region and Port Area	DWT (000s)																	
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+
Northeastern US - Gulf of Maine																		
Eastport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Searsport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portland, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portsmouth, NH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Off Race Point																		
Boston, MA	-	20.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Salem, MA	-	20.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Cape Cod Bay																		
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Block Island Sound																		
New Bedford, MA	-	24.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Providence, RI	-	24.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New London, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Haven, CT	-	-	34.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bridgeport, CT	-	-	34.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Long Island, NY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Ports of New York/New Jersey																		
	-	19.1	26.9	-	-	37.6	-	-	-	-	45.8	-	-	-	-	-	-	-
Mid-Atlantic Delaware Bay																		
	-	22.6	31.9	37.5	41.5	44.6	47.1	-	-	-	54.3	-	-	-	-	-	-	-
Mid-Atlantic Chesapeake Bay																		
Baltimore, MD	-	22.3	31.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hampton Roads, VA	-	22.3	31.5	-	-	44.0	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Morehead City and Beaufort, NC																		
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Wilmington, NC																		
	-	13.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Georgetown, SC																		
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Charleston, SC																		
	-	10.3	14.5	17.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Savannah, GA																		
	-	-	-	-	-	24.8	-	-	-	-	30.2	-	-	-	-	-	-	-
Southeastern US																		
Brunswick, GA	-	14.2	20.1	23.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fernandina, FL	-	-	23.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Jacksonville, FL	-	16.3	23.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Port Canaveral, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Source: Prepared by Nathan Associates Inc.

Table F-44. Ro-Ro Vessels: Estimated Minutes of Delay per Vessel Arrival for Speed Restrictions of 13 Knots by Port Area and Vessel DWT

ANPR Port Region and Port Area	DWT (000s)																	
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+
Northeastern US - Gulf of Maine																		
Eastport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Searsport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portland, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portsmouth, NH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Off Race Point																		
Boston, MA	-	-	29.0	34.1	37.7	-	-	-	-	-	-	-	-	-	-	-	-	-
Salem, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Cape Cod Bay																		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Block Island Sound																		
New Bedford, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Providence, RI	-	-	34.8	40.9	45.3	-	-	-	-	57.1	-	-	-	-	-	-	-	-
New London, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Haven, CT	-	-	-	40.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bridgeport, CT	-	-	-	40.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Long Island, NY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Ports of New York/New Jersey																		
-	-	19.1	26.9	31.7	35.0	37.6	39.7	41.4	42.9	44.2	45.8	-	-	-	-	-	-	-
Mid-Atlantic Delaware Bay																		
-	-	22.6	31.9	37.5	41.5	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Chesapeake Bay																		
Baltimore, MD	-	22.3	31.5	37.1	41.0	44.0	46.5	48.5	50.2	51.7	53.7	-	-	-	-	-	-	-
Hampton Roads, VA	-	22.3	31.5	37.1	41.0	44.0	46.5	48.5	50.2	-	53.7	-	-	-	-	-	-	-
Mid-Atlantic Morehead City and Beaufort, NC																		
-	-	-	21.2	25.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Wilmington, NC																		
-	-	13.1	18.4	21.7	24.0	-	27.2	-	29.4	-	31.4	-	-	-	-	-	-	-
Mid-Atlantic Georgetown, SC																		
-	-	-	-	33.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Charleston, SC																		
-	-	10.3	14.5	17.1	18.9	20.3	21.4	22.3	23.1	23.8	24.7	-	-	-	-	-	-	-
Mid-Atlantic Savannah, GA																		
-	-	12.6	17.7	20.9	23.1	24.8	26.2	27.3	28.3	29.1	30.2	-	-	-	-	-	-	-
Southeastern US																		
Brunswick, GA	-	14.2	20.1	23.6	26.1	28.0	-	-	32.0	-	-	-	-	-	-	-	-	-
Fernandina, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Jacksonville, FL	-	-	23.0	27.0	29.9	32.1	33.9	35.4	36.6	-	39.1	-	-	-	-	-	-	-
Port Canaveral, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Source: Prepared by Nathan Associates Inc.

Table F-45 Tank Barges: Estimated Minutes of Delay per Vessel Arrival for Speed Restrictions of 13 Knots by Port Area and Vessel DWT

ANPR Port Region and Port Area	DWT (000s)																	
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+
Northeastern US - Gulf of Maine																		
Eastport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Searsport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portland, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portsmouth, NH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Off Race Point																		
Boston, MA	-	5.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Salem, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Cape Cod Bay																		
Mid-Atlantic Block Island Sound																		
New Bedford, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Providence, RI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New London, CT	2.6	7.0	9.0	-	11.3	-	-	-	-	-	-	-	-	-	-	-	-	-
New Haven, CT	2.6	7.0	9.0	10.3	11.3	-	-	-	-	-	-	-	-	-	-	-	-	-
Bridgeport, CT	2.6	7.0	9.0	10.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Long Island, NY	2.6	7.0	9.0	10.3	11.3	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Ports of New York/New Jersey																		
	2.0	5.4	7.0	-	-	9.3	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Delaware Bay																		
	2.4	6.4	8.2	9.4	-	11.0	11.6	-	-	12.9	13.4	-	-	-	-	-	-	-
Mid-Atlantic Chesapeake Bay																		
Baltimore, MD	2.3	6.3	8.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hampton Roads, VA	-	-	8.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Morehead City and Beaufort, NC																		
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Wilmington, NC																		
	-	3.7	4.8	5.5	6.0	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Georgetown, SC																		
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Charleston, SC																		
	-	2.9	3.7	4.3	4.7	-	5.3	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Savannah, GA																		
	-	3.6	4.6	5.2	-	-	-	-	-	7.2	-	-	-	-	-	-	-	-
Southeastern US																		
Brunswick, GA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fernandina, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Jacksonville, FL	-	4.6	-	6.8	-	7.9	8.4	-	-	-	-	-	-	-	-	-	-	-
Port Canaveral, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Source: Prepared by Nathan Associates Inc.

Table F-46. Tankers: Estimated Minutes of Delay per Vessel Arrival for Speed Restrictions of 13 Knots by Port Area and Vessel DWT

ANPR Port Region and Port Area	DWT (000s)																	
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+
Northeastern US - Gulf of Maine																		
Eastport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Searsport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portland, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portsmouth, NH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Off Race Point																		
Boston, MA	2.1	-	7.5	-	-	10.0	10.5	11.0	11.4	11.7	12.2	12.7	-	-	-	-	-	15.5
Salem, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Cape Cod Bay																		
	-	-	-	-	-	-	-	-	-	-	21.9	22.9	23.7	-	-	-	-	-
Mid-Atlantic Block Island Sound																		
New Bedford, MA	-	-	9.0	-	11.3	-	-	-	-	-	-	-	-	-	-	-	-	-
Providence, RI	2.6	7.0	9.0	-	-	12.0	12.7	13.2	13.7	14.1	14.6	15.3	15.8	-	-	-	-	-
New London, CT	-	-	-	10.3	-	-	12.7	-	-	14.1	-	-	-	-	-	-	-	-
New Haven, CT	2.6	-	9.0	10.3	-	12.0	12.7	13.2	13.7	14.1	14.6	-	-	-	16.6	-	-	-
Bridgeport, CT	2.6	-	-	-	-	-	12.7	13.2	-	14.1	-	15.3	-	-	-	-	17.9	-
Long Island, NY	2.6	-	-	10.3	-	-	-	13.2	-	14.1	14.6	15.3	15.8	-	16.6	17.2	17.9	18.7
Mid-Atlantic Ports of New York/New Jersey																		
	2.0	5.4	7.0	8.0	8.7	9.3	9.8	10.2	10.6	10.9	11.3	11.8	12.2	12.6	12.9	13.3	13.9	14.4
Mid-Atlantic Delaware Bay																		
	2.4	6.4	8.2	9.4	10.3	11.0	11.6	12.1	12.5	12.9	13.4	14.0	14.5	14.9	15.3	15.8	16.4	17.1
Mid-Atlantic Chesapeake Bay																		
Baltimore, MD	2.3	6.3	8.1	9.3	10.2	10.9	11.5	11.9	12.4	12.7	13.2	13.8	14.3	-	15.1	15.6	-	16.9
Hampton Roads, VA	2.3	6.3	8.1	9.3	10.2	10.9	11.5	11.9	12.4	12.7	13.2	13.8	14.3	14.7	15.1	15.6	16.2	16.9
Mid-Atlantic Morehead City and Beaufort, NC																		
	-	-	5.5	6.3	-	7.3	7.7	8.0	-	-	-	9.3	-	-	-	-	-	-
Mid-Atlantic Wilmington, NC																		
	1.4	3.7	4.8	5.5	6.0	6.4	6.7	7.0	7.2	7.5	7.8	8.1	-	-	-	-	-	-
Mid-Atlantic Georgetown, SC																		
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Charleston, SC																		
	1.1	2.9	3.7	4.3	4.7	5.0	5.3	5.5	5.7	5.9	6.1	6.4	-	6.8	-	-	-	-
Mid-Atlantic Savannah, GA																		
	1.3	3.6	4.6	5.2	5.7	6.1	6.5	6.7	7.0	7.2	7.5	7.8	8.0	-	-	-	-	-
Southeastern US																		
Brunswick, GA	-	4.0	-	-	-	6.9	7.3	-	-	-	-	-	-	-	-	-	-	-
Fernandina, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Jacksonville, FL	1.7	-	5.9	6.8	7.4	7.9	8.4	8.7	9.0	9.3	9.7	10.1	-	-	-	11.3	-	-
Port Canaveral, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Source: Prepared by Nathan Associates Inc.

Table F-47. Towing Vessels:Estimated Minutes of Delay per Vessel Arrival for Speed Restrictions of 13 Knots by Port Area and Vessel DWT

ANPR Port Region and Port Area	DWT (000s)																	
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+
Northeastern US - Gulf of Maine																		
Eastport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Searsport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portland, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portsmouth, NH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Off Race Point																		
Boston, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Salem, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Cape Cod Bay																		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Block Island Sound																		
New Bedford, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Providence, RI	2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New London, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Haven, CT	2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bridgeport, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Long Island, NY	2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Ports of New York/New Jersey																		
-	2.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Delaware Bay																		
-	2.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Chesapeake Bay																		
Baltimore, MD	2.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hampton Roads, VA	2.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Morehead City and Beaufort, NC																		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Wilmington, NC																		
-	1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Georgetown, SC																		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Charleston, SC																		
-	1.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Savannah, GA																		
-	1.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Southeastern US																		
Brunswick, GA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fernandina, FL	1.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Jacksonville, FL	1.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Port Canaveral, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Source: Prepared by Nathan Associates Inc.

Table F-48. Other Vessels: Estimated Minutes of Delay per Vessel Arrival for Speed Restrictions of 13 Knots by Port Area and Vessel DWT

ANPR Port Region and Port Area	DWT (000s)																	
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+
Northeastern US - Gulf of Maine																		
Eastport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Searsport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portland, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portsmouth, NH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Off Race Point																		
Boston, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Salem, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Cape Cod Bay																		
Mid-Atlantic Block Island Sound																		
New Bedford, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Providence, RI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New London, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Haven, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bridgeport, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Long Island, NY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Ports of New York/New Jersey																		
Mid-Atlantic Delaware Bay																		
Mid-Atlantic Chesapeake Bay																		
Baltimore, MD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hampton Roads, VA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Morehead City and Beaufort, NC																		
Mid-Atlantic Wilmington, NC																		
Mid-Atlantic Georgetown, SC																		
Mid-Atlantic Charleston, SC																		
Mid-Atlantic Savannah, GA																		
Southeastern US																		
Brunswick, GA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fernandina, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Jacksonville, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Port Canaveral, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Source: Prepared by Nathan Associates Inc.

Table F-49. Bulk Carriers: Estimated Minutes of Delay per Vessel Arrival for Speed Restrictions of 14 Knots by Port Area and Vessel DWT

ANPR Port Region and Port Area	DWT (000s)																	
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+
Northeastern US - Gulf of Maine																		
Eastport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Searsport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portland, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portsmouth, NH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Off Race Point																		
Boston, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Salem, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Cape Cod Bay																		
Mid-Atlantic Block Island Sound																		
New Bedford, MA	-	-	-	-	-	-	-	-	-	-	-	-	0.9	-	-	-	-	-
Providence, RI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New London, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Haven, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bridgeport, CT	-	-	-	-	-	-	-	-	-	-	-	-	0.9	-	-	-	-	-
Long Island, NY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Ports of New York/New Jersey																		
	-	-	-	-	-	-	-	-	-	-	-	-	0.7	0.7	-	-	-	-
Mid-Atlantic Delaware Bay																		
	-	-	-	-	-	-	-	-	-	-	-	-	0.8	-	-	-	-	-
Mid-Atlantic Chesapeake Bay																		
Baltimore, MD	-	-	-	-	-	-	-	-	-	-	-	-	0.8	0.8	-	0.8	0.8	0.8
Hampton Roads, VA	-	-	-	-	-	-	-	-	-	-	-	-	0.8	0.8	0.8	0.8	0.8	0.8
Mid-Atlantic Morehead City and Beaufort, NC																		
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Wilmington, NC																		
	-	-	-	-	-	-	-	-	-	-	-	-	0.5	-	-	-	-	-
Mid-Atlantic Georgetown, SC																		
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Charleston, SC																		
	-	-	-	-	-	-	-	-	-	-	-	-	0.4	0.4	-	-	-	-
Mid-Atlantic Savannah, GA																		
	-	-	-	-	-	-	-	-	-	-	-	-	0.5	-	-	-	-	-
Southeastern US																		
Brunswick, GA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fernandina, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Jacksonville, FL	-	-	-	-	-	-	-	-	-	-	-	-	0.6	-	-	-	-	-
Port Canaveral, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Source: Prepared by Nathan Associates Inc.

Table F-50 Combination Carriers: Estimated Minutes of Delay per Vessel Arrival for Speed Restrictions of 14 Knots by Port Area and Vessel DWT

ANPR Port Region and Port Area	DWT (000s)																	
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+
Northeastern US - Gulf of Maine																		
Eastport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Searsport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portland, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portsmouth, NH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Off Race Point																		
Boston, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Salem, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Cape Cod Bay																		
Mid-Atlantic Block Island Sound																		
New Bedford, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Providence, RI	-	-	-	-	-	-	-	-	-	-	-	-	0.9	-	-	-	-	-
New London, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Haven, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bridgeport, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Long Island, NY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Ports of New York/New Jersey																		
	-	-	-	-	-	-	-	-	-	-	-	-	0.7	0.7	0.7	-	-	-
Mid-Atlantic Delaware Bay																		
	-	-	-	-	-	-	-	-	-	-	-	-	-	0.8	0.8	-	-	-
Mid-Atlantic Chesapeake Bay																		
Baltimore, MD	-	-	-	-	-	-	-	-	-	-	-	-	0.8	0.8	-	-	-	-
Hampton Roads, VA	-	-	-	-	-	-	-	-	-	-	-	-	0.8	0.8	0.8	0.8	-	-
Mid-Atlantic Morehead City and Beaufort, NC																		
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Wilmington, NC																		
	-	-	-	-	-	-	-	-	-	-	-	-	0.5	-	-	-	-	-
Mid-Atlantic Georgetown, SC																		
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Charleston, SC																		
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Savannah, GA																		
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Southeastern US																		
Brunswick, GA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fernandina, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Jacksonville, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Port Canaveral, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Source: Prepared by Nathan Associates Inc.

Table F-51. Containerships: Estimated Minutes of Delay per Vessel Arrival for Speed Restrictions of 14 Knots by Port Area and Vessel DWT

ANPR Port Region and Port Area	DWT (000s)																	
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+
Northeastern US - Gulf of Maine																		
Eastport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Searsport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portland, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portsmouth, NH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Off Race Point																		
Boston, MA	-	12.3	-	25.9	29.5	-	-	36.4	38.0	39.4	41.2	-	-	-	-	-	-	-
Salem, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Cape Cod Bay																		
Mid-Atlantic Block Island Sound																		
New Bedford, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Providence, RI	-	14.8	-	31.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New London, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Haven, CT	-	-	-	-	-	38.8	-	-	-	-	-	-	-	-	-	-	-	-
Bridgeport, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Long Island, NY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Ports of New York/New Jersey																		
-	-	11.4	19.2	24.0	27.4	30.0	32.0	33.8	35.3	36.5	38.2	40.0	-	-	-	-	-	-
Mid-Atlantic Delaware Bay																		
-	-	13.6	22.8	28.5	32.5	35.5	38.0	40.0	41.8	43.3	45.3	-	-	-	-	-	-	-
Mid-Atlantic Chesapeake Bay																		
Baltimore, MD	-	13.4	-	28.1	32.0	35.1	37.5	39.5	41.3	42.8	44.7	-	-	-	-	-	-	-
Hampton Roads, VA	-	13.4	22.5	28.1	32.0	35.1	37.5	39.5	41.3	42.8	44.7	46.9	-	-	-	-	-	-
Mid-Atlantic Morehead City and Beaufort, NC																		
-	-	-	-	-	21.6	23.6	-	-	27.8	-	-	-	-	-	-	-	-	-
Mid-Atlantic Wilmington, NC																		
-	-	7.8	13.2	16.5	18.8	20.5	22.0	23.2	24.2	25.0	26.2	27.4	-	-	-	-	-	-
Mid-Atlantic Georgetown, SC																		
-	-	-	-	-	-	-	-	-	-	38.4	40.2	-	-	-	-	-	-	-
Mid-Atlantic Charleston, SC																		
-	-	6.2	10.4	12.9	14.8	16.1	17.3	18.2	19.0	19.7	20.6	21.6	-	23.1	-	-	-	-
Mid-Atlantic Savannah, GA																		
-	-	7.5	12.7	15.8	18.1	19.8	21.1	22.3	23.3	24.1	25.2	26.4	-	28.3	-	-	-	-
Southeastern US																		
Brunswick, GA	-	-	-	17.9	20.4	22.3	-	25.2	26.3	-	-	-	-	-	-	-	-	-
Fernandina, FL	-	9.9	16.6	-	-	-	-	-	30.4	-	-	-	-	-	-	-	-	-
Jacksonville, FL	-	9.8	16.4	20.5	23.4	25.6	27.4	28.8	30.1	31.2	32.6	-	-	-	-	-	-	-
Port Canaveral, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Source: Prepared by Nathan Associates Inc.

Table F-52 Freight Barges: Estimated Minutes of Delay per Vessel Arrival for Speed Restrictions of 14 Knots by Port Area and Vessel DWT

ANPR Port Region and Port Area	DWT (000s)																	
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+
Northeastern US - Gulf of Maine																		
Eastport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Searsport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portland, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portsmouth, NH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Off Race Point																		
Boston, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Salem, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Cape Cod Bay																		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Block Island Sound																		
New Bedford, MA	-	-	-	-	21.2	-	-	-	-	-	-	-	-	-	-	-	-	-
Providence, RI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New London, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Haven, CT	-	-	-	17.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bridgeport, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Long Island, NY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Ports of New York/New Jersey																		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Delaware Bay																		
-	-	1.7	10.3	15.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Chesapeake Bay																		
Baltimore, MD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hampton Roads, VA	-	1.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Morehead City and Beaufort, NC																		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Wilmington, NC																		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Georgetown, SC																		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Charleston, SC																		
-	-	-	4.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Savannah, GA																		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Southeastern US																		
Brunswick, GA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fernandina, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Jacksonville, FL	-	1.3	7.4	11.3	14.0	-	-	-	-	-	22.9	-	-	-	-	-	-	-
Port Canaveral, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Source: Prepared by Nathan Associates Inc.

Table F-53. General Cargo Vessels: Estimated Minutes of Delay per Vessel Arrival for Speed Restrictions of 14 Knots by Port Area and Vessel DWT

ANPR Port Region and Port Area	DWT (000s)																	
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+
Northeastern US - Gulf of Maine																		
Eastport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Searsport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portland, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portsmouth, NH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Off Race Point																		
Boston, MA	-	1.6	9.4	-	-	-	-	24.3	-	-	-	-	-	-	-	-	-	-
Salem, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Cape Cod Bay																		
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Block Island Sound																		
New Bedford, MA	-	1.9	11.3	-	21.2	-	-	-	-	-	-	-	-	-	-	-	-	-
Providence, RI	-	1.9	11.3	-	21.2	24.4	-	29.1	-	-	-	-	-	-	-	-	-	-
New London, CT	-	-	-	17.0	-	-	27.0	29.1	31.0	32.6	-	-	-	-	-	-	-	-
New Haven, CT	-	1.9	11.3	17.0	21.2	24.4	-	-	31.0	32.6	-	-	-	-	-	-	-	-
Bridgeport, CT	-	1.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Long Island, NY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Ports of New York/New Jersey																		
	-	1.5	8.7	13.2	16.4	18.8	20.8	22.5	23.9	25.2	-	-	-	-	-	-	-	-
Mid-Atlantic Delaware Bay																		
	-	1.7	10.3	15.6	19.4	22.3	24.7	26.7	28.4	29.9	-	-	-	-	-	-	-	-
Mid-Atlantic Chesapeake Bay																		
Baltimore, MD	-	1.7	10.2	15.4	19.2	22.1	24.4	26.3	28.0	29.5	-	-	-	-	-	-	-	-
Hampton Roads, VA	-	1.7	10.2	15.4	19.2	22.1	24.4	26.3	28.0	29.5	-	-	-	-	-	-	-	-
Mid-Atlantic Morehead City and Beaufort, NC																		
	-	1.2	6.9	10.4	12.9	14.9	-	17.8	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Wilmington, NC																		
	-	1.0	6.0	9.0	11.2	12.9	14.3	15.4	16.4	17.3	-	-	-	-	-	-	-	-
Mid-Atlantic Georgetown, SC																		
	-	1.6	-	-	-	-	-	-	25.2	-	-	-	-	-	-	-	-	-
Mid-Atlantic Charleston, SC																		
	-	0.8	4.7	7.1	8.8	10.2	11.2	12.1	12.9	13.6	-	-	-	-	-	-	-	-
Mid-Atlantic Savannah, GA																		
	-	1.0	5.7	8.7	10.8	12.4	13.7	14.8	15.8	16.6	-	-	-	-	-	-	-	-
Southeastern US																		
Brunswick, GA	-	1.1	6.5	9.8	12.2	-	15.5	16.8	17.9	-	-	-	-	-	-	-	-	-
Fernandina, FL	-	1.3	7.5	11.4	-	-	-	19.4	20.6	21.7	-	-	-	-	-	-	-	-
Jacksonville, FL	-	1.3	7.4	11.3	14.0	16.1	17.8	19.2	20.4	21.5	-	-	-	-	-	-	-	-
Port Canaveral, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Source: Prepared by Nathan Associates Inc.

Table F-54. Passenger Vessels: Estimated Minutes of Delay per Vessel Arrival for Speed Restrictions of 14 Knots by Port Area and Vessel DWT

ANPR Port Region and Port Area	DWT (000s)																	
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+
Northeastern US - Gulf of Maine																		
Eastport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Searsport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portland, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portsmouth, NH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Off Race Point																		
Boston, MA	13.4	23.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Salem, MA	13.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Cape Cod Bay																		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Block Island Sound																		
New Bedford, MA	16.1	28.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Providence, RI	16.1	28.6	38.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New London, CT	16.1	28.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Haven, CT	16.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bridgeport, CT	16.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Long Island, NY	16.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Ports of New York/New Jersey																		
-	12.4	22.1	29.8	36.2	41.4	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Delaware Bay																		
-	14.7	26.2	35.4	-	49.1	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Chesapeake Bay																		
Baltimore, MD	14.5	25.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hampton Roads, VA	14.5	25.9	34.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Morehead City and Beaufort, NC																		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Wilmington, NC																		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Georgetown, SC																		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Charleston, SC																		
-	6.7	11.9	16.1	19.5	22.3	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Savannah, GA																		
-	8.2	-	-	-	27.3	-	-	-	-	-	-	-	-	-	-	-	-	-
Southeastern US																		
Brunswick, GA	9.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fernandina, FL	10.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Jacksonville, FL	10.6	18.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Port Canaveral, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Source: Prepared by Nathan Associates Inc.

Table F-55. Refrigerated Cargo Vessels: Estimated Minutes of Delay per Vessel Arrival for Speed Restrictions of 14 Knots by Port Area and Vessel DWT

ANPR Port Region and Port Area	DWT (000s)																	
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+
Northeastern US - Gulf of Maine																		
Eastport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Searsport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portland, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portsmouth, NH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Off Race Point																		
Boston, MA	-	12.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Salem, MA	-	12.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Cape Cod Bay																		
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Block Island Sound																		
New Bedford, MA	-	14.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Providence, RI	-	14.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New London, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Haven, CT	-	-	24.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bridgeport, CT	-	-	24.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Long Island, NY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Ports of New York/New Jersey																		
	-	11.4	19.2	-	-	30.0	-	-	-	-	38.2	-	-	-	-	-	-	-
Mid-Atlantic Delaware Bay																		
	-	13.6	22.8	28.5	32.5	35.5	38.0	-	-	-	45.3	-	-	-	-	-	-	-
Mid-Atlantic Chesapeake Bay																		
Baltimore, MD	-	13.4	22.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hampton Roads, VA	-	13.4	22.5	-	-	35.1	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Morehead City and Beaufort, NC																		
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Wilmington, NC																		
	-	7.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Georgetown, SC																		
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Charleston, SC																		
	-	6.2	10.4	12.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Savannah, GA																		
	-	-	-	-	-	19.8	-	-	-	-	25.2	-	-	-	-	-	-	-
Southeastern US																		
Brunswick, GA	-	8.5	14.4	17.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fernandina, FL	-	-	16.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Jacksonville, FL	-	9.8	16.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Port Canaveral, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Source: Prepared by Nathan Associates Inc.

Table F-56. Ro-Ro Vessels: Estimated Minutes of Delay per Vessel Arrival for Speed Restrictions of 14 Knots by Port Area and Vessel DWT

ANPR Port Region and Port Area	DWT (000s)																	
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+
Northeastern US - Gulf of Maine																		
Eastport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Searsport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portland, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portsmouth, NH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Off Race Point																		
Boston, MA	-	-	20.7	25.9	29.5	-	-	-	-	-	-	-	-	-	-	-	-	-
Salem, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Cape Cod Bay																		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Block Island Sound																		
New Bedford, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Providence, RI	-	-	24.9	31.0	35.4	-	-	-	-	47.3	-	-	-	-	-	-	-	-
New London, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Haven, CT	-	-	-	31.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bridgeport, CT	-	-	-	31.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Long Island, NY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Ports of New York/New Jersey																		
-	-	11.4	19.2	24.0	27.4	30.0	32.0	33.8	35.3	36.5	38.2	-	-	-	-	-	-	-
Mid-Atlantic Delaware Bay																		
-	-	13.6	22.8	28.5	32.5	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Chesapeake Bay																		
Baltimore, MD	-	13.4	22.5	28.1	32.0	35.1	37.5	39.5	41.3	42.8	44.7	-	-	-	-	-	-	-
Hampton Roads, VA	-	13.4	22.5	28.1	32.0	35.1	37.5	39.5	41.3	-	44.7	-	-	-	-	-	-	-
Mid-Atlantic Morehead City and Beaufort, NC																		
-	-	-	15.2	18.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Wilmington, NC																		
-	-	7.8	13.2	16.5	18.8	-	22.0	-	24.2	-	26.2	-	-	-	-	-	-	-
Mid-Atlantic Georgetown, SC																		
-	-	-	-	25.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Charleston, SC																		
-	-	6.2	10.4	12.9	14.8	16.1	17.3	18.2	19.0	19.7	20.6	-	-	-	-	-	-	-
Mid-Atlantic Savannah, GA																		
-	-	7.5	12.7	15.8	18.1	19.8	21.1	22.3	23.3	24.1	25.2	-	-	-	-	-	-	-
Southeastern US																		
Brunswick, GA	-	8.5	14.4	17.9	20.4	22.3	-	-	26.3	-	-	-	-	-	-	-	-	-
Fernandina, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Jacksonville, FL	-	-	16.4	20.5	23.4	25.6	27.4	28.8	30.1	-	32.6	-	-	-	-	-	-	-
Port Canaveral, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Source: Prepared by Nathan Associates Inc.

Table F-57 Tank Barges: Estimated Minutes of Delay per Vessel Arrival for Speed Restrictions of 14 Knots by Port Area and Vessel DWT

ANPR Port Region and Port Area	DWT (000s)																	
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+
Northeastern US - Gulf of Maine																		
Eastport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Searsport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portland, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portsmouth, NH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Off Race Point																		
Boston, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Salem, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Cape Cod Bay																		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Block Island Sound																		
New Bedford, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Providence, RI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New London, CT	-	-	-	-	1.4	-	-	-	-	-	-	-	-	-	-	-	-	-
New Haven, CT	-	-	-	0.4	1.4	-	-	-	-	-	-	-	-	-	-	-	-	-
Bridgeport, CT	-	-	-	0.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Long Island, NY	-	-	-	0.4	1.4	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Ports of New York/New Jersey																		
-	-	-	-	-	-	1.6	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Delaware Bay																		
-	-	-	-	0.4	-	2.0	2.5	-	-	3.8	4.3	-	-	-	-	-	-	-
Mid-Atlantic Chesapeake Bay																		
Baltimore, MD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hampton Roads, VA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Morehead City and Beaufort, NC																		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Wilmington, NC																		
-	-	-	-	0.2	0.7	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Georgetown, SC																		
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Charleston, SC																		
-	-	-	-	0.2	0.6	-	1.2	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Savannah, GA																		
-	-	-	-	0.2	-	-	-	-	-	2.1	-	-	-	-	-	-	-	-
Southeastern US																		
Brunswick, GA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fernandina, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Jacksonville, FL	-	-	-	0.3	-	1.4	1.8	-	-	-	-	-	-	-	-	-	-	-
Port Canaveral, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Source: Prepared by Nathan Associates Inc.

Table F-58. Tankers: Estimated Minutes of Delay per Vessel Arrival for Speed Restrictions of 14 Knots by Port Area and Vessel DWT

ANPR Port Region and Port Area	DWT (000s)																	
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+
Northeastern US - Gulf of Maine																		
Eastport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Searsport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portland, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portsmouth, NH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Off Race Point																		
Boston, MA	-	-	-	-	-	1.8	2.3	2.8	3.1	3.5	3.9	4.5	-	-	-	-	-	7.3
Salem, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Cape Cod Bay																		
	-	-	-	-	-	-	-	-	-	-	7.1	8.0	8.8	-	-	-	-	-
Mid-Atlantic Block Island Sound																		
New Bedford, MA	-	-	-	-	1.4	-	-	-	-	-	-	-	-	-	-	-	-	-
Providence, RI	-	-	-	-	-	2.1	2.8	3.3	3.8	4.2	4.7	5.4	5.9	-	-	-	-	-
New London, CT	-	-	-	0.4	-	-	2.8	-	-	4.2	-	-	-	-	-	-	-	-
New Haven, CT	-	-	-	0.4	-	2.1	2.8	3.3	3.8	4.2	4.7	-	-	-	6.8	-	-	-
Bridgeport, CT	-	-	-	-	-	-	2.8	3.3	-	4.2	-	5.4	-	-	-	-	8.0	-
Long Island, NY	-	-	-	0.4	-	-	-	3.3	-	4.2	4.7	5.4	5.9	-	6.8	7.3	8.0	8.8
Mid-Atlantic Ports of New York/New Jersey																		
	-	-	-	0.3	1.1	1.6	2.1	2.6	2.9	3.2	3.7	4.1	4.6	4.9	5.2	5.6	6.2	6.8
Mid-Atlantic Delaware Bay																		
	-	-	-	0.4	1.3	2.0	2.5	3.0	3.5	3.8	4.3	4.9	5.4	5.8	6.2	6.7	7.4	8.0
Mid-Atlantic Chesapeake Bay																		
Baltimore, MD	-	-	-	0.4	1.2	1.9	2.5	3.0	3.4	3.8	4.3	4.9	5.3	-	6.1	6.6	-	7.9
Hampton Roads, VA	-	-	-	0.4	1.2	1.9	2.5	3.0	3.4	3.8	4.3	4.9	5.3	5.7	6.1	6.6	7.3	7.9
Mid-Atlantic Morehead City and Beaufort, NC																		
	-	-	-	0.2	-	1.3	1.7	2.0	-	-	-	3.3	-	-	-	-	-	-
Mid-Atlantic Wilmington, NC																		
	-	-	-	0.2	0.7	1.1	1.5	1.8	2.0	2.2	2.5	2.8	-	-	-	-	-	-
Mid-Atlantic Georgetown, SC																		
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Charleston, SC																		
	-	-	-	0.2	0.6	0.9	1.2	1.4	1.6	1.7	2.0	2.2	-	2.6	-	-	-	-
Mid-Atlantic Savannah, GA																		
	-	-	-	0.2	0.7	1.1	1.4	1.7	1.9	2.1	2.4	2.7	3.0	-	-	-	-	-
Southeastern US																		
Brunswick, GA	-	-	-	-	-	1.2	1.6	-	-	-	-	-	-	-	-	-	-	-
Fernandina, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Jacksonville, FL	-	-	-	0.3	0.9	1.4	1.8	2.2	2.5	2.8	3.1	3.5	-	-	-	4.8	-	-
Port Canaveral, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Source: Prepared by Nathan Associates Inc.

Table F-59. Towing Vessels:Estimated Minutes of Delay per Vessel Arrival for Speed Restrictions of 14 Knots by Port Area and Vessel DWT

ANPR Port Region and Port Area	DWT (000s)																	
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+
Northeastern US - Gulf of Maine																		
Eastport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Searsport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portland, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portsmouth, NH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Off Race Point																		
Boston, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Salem, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Cape Cod Bay																		
Mid-Atlantic Block Island Sound																		
New Bedford, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Providence, RI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New London, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Haven, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bridgeport, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Long Island, NY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Ports of New York/New Jersey																		
Mid-Atlantic Delaware Bay																		
Mid-Atlantic Chesapeake Bay																		
Baltimore, MD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hampton Roads, VA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Morehead City and Beaufort, NC																		
Mid-Atlantic Wilmington, NC																		
Mid-Atlantic Georgetown, SC																		
Mid-Atlantic Charleston, SC																		
Mid-Atlantic Savannah, GA																		
Southeastern US																		
Brunswick, GA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fernandina, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Jacksonville, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Port Canaveral, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Source: Prepared by Nathan Associates Inc.

Table F-60. Other Vessels: Estimated Minutes of Delay per Vessel Arrival for Speed Restrictions of 14 Knots by Port Area and Vessel DWT

ANPR Port Region and Port Area	DWT (000s)																	
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+
Northeastern US - Gulf of Maine																		
Eastport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Searsport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portland, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portsmouth, NH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Off Race Point																		
Boston, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Salem, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Cape Cod Bay																		
Mid-Atlantic Block Island Sound																		
New Bedford, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Providence, RI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New London, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Haven, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bridgeport, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Long Island, NY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Ports of New York/New Jersey																		
Mid-Atlantic Delaware Bay																		
Mid-Atlantic Chesapeake Bay																		
Baltimore, MD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hampton Roads, VA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Morehead City and Beaufort, NC																		
Mid-Atlantic Wilmington, NC																		
Mid-Atlantic Georgetown, SC																		
Mid-Atlantic Charleston, SC																		
Mid-Atlantic Savannah, GA																		
Southeastern US																		
Brunswick, GA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fernandina, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Jacksonville, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Port Canaveral, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Source: Prepared by Nathan Associates Inc.

Appendix G

ESTIMATED ECONOMIC
IMPACT OF ANPR ON U.S.
FLAG VESSELS

Table G-1. Bulk Carriers: Estimated Economic Impact of ANPR on US Flag Vessels 150 GRT and Above by Port Region, Port Area and Vessel DWT, 2002 (US\$ 000s)

ANPR Port Region and Port Area	DWT (000s)																		Total
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+	
Northeastern US - Gulf of Maine	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Eastport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Searsport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portland, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portsmouth, NH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Off Race Point	-	-	-	-	-	-	-	0.0	-	-	-	-	-	-	-	-	-	-	0.0
Boston, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Salem, MA	-	-	-	-	-	-	-	0.0	-	-	-	-	-	-	-	-	-	-	0.0
Northeastern US - Cape Cod Bay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Block Island Sound	-	-	-	-	-	-	-	1.5	-	-	-	-	-	-	-	-	-	-	1.5
New Bedford, MA	-	-	-	-	-	-	-	1.5	-	-	-	-	-	-	-	-	-	-	1.5
Providence, RI	-	-	-	-	-	-	-	0.0	-	-	-	-	-	-	-	-	-	-	0.0
New London, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Haven, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bridgeport, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Long Island, NY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Ports of New York/New Jersey	-	-	-	-	-	-	-	0.0	-	-	-	-	-	-	-	-	-	-	0.0
Mid-Atlantic Delaware Bay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Chesapeake Bay	-	-	-	-	-	-	0.1	0.5	-	-	-	-	-	-	0.0	-	-	-	0.6
Baltimore, MD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	-	-	-	0.0
Hampton Roads, VA	-	-	-	-	-	-	0.1	0.5	-	-	-	-	-	-	-	-	-	-	0.6
Mid-Atlantic Morehead City and Beaufort, NC	-	-	-	-	-	-	0.0	-	-	0.1	-	-	-	-	-	-	-	-	0.1
Mid-Atlantic Wilmington, NC	-	-	-	-	-	-	0.0	-	-	-	-	-	-	-	-	-	-	-	0.0
Mid-Atlantic Georgetown, SC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Charleston, SC	-	-	-	-	-	-	0.1	-	-	0.5	-	-	-	-	-	-	-	-	0.5
Mid-Atlantic Savannah, GA	-	-	-	-	-	-	0.0	-	-	-	-	-	-	-	-	-	-	-	0.0
Southeastern US	-	-	-	-	-	-	0.2	-	-	-	-	-	-	-	-	-	-	-	0.2
Brunswick, GA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fernandina, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Jacksonville, FL	-	-	-	-	-	-	0.2	-	-	-	-	-	-	-	-	-	-	-	0.2
Port Canaveral, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	0.4	2.1	-	0.6	-	-	-	-	0.0	-	-	-	0

Source: Prepared by Nathan Associates Inc. based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports as described in text.

Table G-2. Bulk Carriers: Estimated Economic Impact of ANPR on US Flag Vessels 150 GRT and Above by Port Region, Port Area and Vessel DWT, 2003 (US\$ 000s)

ANPR Port Region and Port Area	DWT (000s)																		Total
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+	
Northeastern US - Gulf of Maine	-	-	-	-	-	0.0	0.0	-	-	-	-	-	-	-	-	-	-	-	0.0
Eastport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Searsport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portland, ME	-	-	-	-	-	0.0	0.0	-	-	-	-	-	-	-	-	-	-	-	0.0
Portsmouth, NH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Off Race Point	-	-	-	-	-	-	-	0.0	-	-	-	-	-	-	-	-	-	-	0.0
Boston, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Salem, MA	-	-	-	-	-	-	-	0.0	-	-	-	-	-	-	-	-	-	-	0.0
Northeastern US - Cape Cod Bay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Block Island Sound	-	-	-	-	-	-	-	0.8	-	-	-	-	-	-	-	-	-	-	0.8
New Bedford, MA	-	-	-	-	-	-	-	0.8	-	-	-	-	-	-	-	-	-	-	0.8
Providence, RI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New London, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Haven, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bridgeport, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Long Island, NY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Ports of New York/New Jersey	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Delaware Bay	-	-	-	-	-	0.0	-	-	-	-	-	0.2	-	-	-	-	-	-	0.2
Mid-Atlantic Chesapeake Bay	-	-	-	-	-	-	0.0	0.6	-	-	-	-	-	-	0.0	-	-	-	0.6
Baltimore, MD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	-	-	-	0.0
Hampton Roads, VA	-	-	-	-	-	-	0.0	0.6	-	-	-	-	-	-	-	-	-	-	0.6
Mid-Atlantic Morehead City and Beaufort, NC	-	-	-	-	-	0.0	0.0	-	-	0.1	-	-	-	-	-	-	-	-	0.1
Mid-Atlantic Wilmington, NC	-	-	-	-	-	-	-	-	-	0.2	-	-	-	-	-	-	-	-	0.2
Mid-Atlantic Georgetown, SC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Charleston, SC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Savannah, GA	-	-	-	-	-	0.0	-	-	-	-	-	-	-	-	-	-	-	-	0.0
Southeastern US	-	-	-	-	-	-	0.0	-	-	-	-	0.0	-	-	-	-	-	-	0.1
Brunswick, GA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fernandina, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Jacksonville, FL	-	-	-	-	-	-	0.0	-	-	-	-	-	-	-	-	-	-	-	0.0
Port Canaveral, FL	-	-	-	-	-	-	-	-	-	-	-	0.0	-	-	-	-	-	-	0.0
Total	-	-	-	-	-	0.0	0.1	1.4	-	0.3	-	0.3	-	-	0.0	-	-	-	0

Source: Prepared by Nathan Associates Inc. based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports as described in text.

Table G-3. Combination Carriers: Estimated Economic Impact of ANPR on US Flag Vessels 150 GRT and Above by Port Region, Port Area and Vessel DWT, 2002 (US\$ 000s)

ANPR Port Region and Port Area	DWT (000s)																		Total
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+	
Northeastern US - Gulf of Maine	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Eastport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Searsport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portland, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portsmouth, NH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Off Race Point	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boston, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Salem, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Cape Cod Bay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Block Island Sound	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Bedford, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Providence, RI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New London, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Haven, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bridgeport, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Long Island, NY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Ports of New York/New Jersey	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Delaware Bay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Chesapeake Bay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Baltimore, MD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hampton Roads, VA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Morehead City and Beaufort, NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Wilmington, NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Georgetown, SC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Charleston, SC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Savannah, GA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Southeastern US	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Brunswick, GA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fernandina, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Jacksonville, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Port Canaveral, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Source: Prepared by Nathan Associates Inc. based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports as described in text.

Table G-4. Combination Carriers: Estimated Economic Impact of ANPR on US Flag Vessels 150 GRT and Above by Port Region, Port Area and Vessel DWT, 2003 (US\$ 000s)

ANPR Port Region and Port Area	DWT (000s)																		Total
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+	
Northeastern US - Gulf of Maine	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Eastport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Searsport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portland, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portsmouth, NH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Off Race Point	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boston, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Salem, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Cape Cod Bay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Block Island Sound	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Bedford, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Providence, RI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New London, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Haven, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bridgeport, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Long Island, NY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Ports of New York/New Jersey	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Delaware Bay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Chesapeake Bay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Baltimore, MD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hampton Roads, VA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Morehead City and Beaufort, NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Wilmington, NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Georgetown, SC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Charleston, SC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Savannah, GA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Southeastern US	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Brunswick, GA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fernandina, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Jacksonville, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Port Canaveral, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0

Source: Prepared by Nathan Associates Inc. based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports as described in text.

Table G-5. Containerships: Estimated Economic Impact of ANPR on US Flag Vessels 150 GRT and Above by Port Region, Port Area and Vessel DWT, 2002 (US\$ 000s)

ANPR Port Region and Port Area	DWT (000s)																		Total
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+	
Northeastern US - Gulf of Maine	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Eastport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Searsport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portland, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portsmouth, NH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Off Race Point	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boston, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Salem, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Cape Cod Bay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Block Island Sound	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Bedford, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Providence, RI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New London, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Haven, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bridgeport, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Long Island, NY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Ports of New York/New Jersey	-	-	-	10.1	1.4	3.3	8.3	9.5	-	-	28.3	14.9	-	-	-	-	-	-	75.8
Mid-Atlantic Delaware Bay	-	-	-	-	9.9	-	-	-	-	-	-	-	-	-	-	-	-	-	9.9
Mid-Atlantic Chesapeake Bay	0.6	-	-	1.4	0.0	-	18.1	8.6	32.1	12.9	19.0	14.8	-	-	-	-	-	-	107.4
Baltimore, MD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hampton Roads, VA	0.6	-	-	1.4	0.0	-	18.1	8.6	32.1	12.9	19.0	14.8	-	-	-	-	-	-	107.4
Mid-Atlantic Morehead City and Beaufort, NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Wilmington, NC	-	-	-	0.4	-	-	0.1	-	-	-	1.1	-	-	-	-	-	-	-	1.7
Mid-Atlantic Georgetown, SC	-	-	-	-	-	-	-	0.0	-	-	1.6	-	-	-	-	-	-	-	1.7
Mid-Atlantic Charleston, SC	-	-	-	0.7	0.8	-	12.8	6.6	40.0	7.8	61.3	10.7	-	-	-	-	-	-	140.6
Mid-Atlantic Savannah, GA	-	-	-	-	-	-	4.3	-	-	3.9	11.5	-	-	11.4	-	-	-	-	31.1
Southeastern US	-	-	-	7.8	28.2	1.8	-	-	-	-	-	-	-	-	-	-	-	-	37.8
Brunswick, GA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fernandina, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Jacksonville, FL	-	-	-	7.8	28.2	1.8	-	-	-	-	-	-	-	-	-	-	-	-	37.8
Port Canaveral, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	0.6	-	-	20.4	40.3	5.1	43.7	24.7	72.0	24.6	122.7	40.4	-	11.4	-	-	-	-	406.0

Source: Prepared by Nathan Associates Inc. based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports as described in text.

Table G-6. Containerships: Estimated Economic Impact of ANPR on US Flag Vessels 150 GRT and Above by Port Region, Port Area and Vessel DWT, 2003 (US\$ 000s)

ANPR Port Region and Port Area	DWT (000s)																		Total
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+	
Northeastern US - Gulf of Maine	-	-	-	-	-	-	0.2	-	-	0.3	0.1	0.5	-	-	-	-	-	-	1.1
Eastport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Searsport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portland, ME	-	-	-	-	-	-	0.1	-	-	-	-	-	-	-	-	-	-	-	0.1
Portsmouth, NH	-	-	-	-	-	-	0.2	-	-	0.3	0.1	0.5	-	-	-	-	-	-	1.0
Northeastern US - Off Race Point	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boston, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Salem, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Cape Cod Bay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Block Island Sound	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Bedford, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Providence, RI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New London, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Haven, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bridgeport, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Long Island, NY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Ports of New York/New Jersey	-	-	-	5.2	-	9.7	11.3	6.5	-	5.4	30.1	23.5	-	-	-	-	-	-	91.7
Mid-Atlantic Delaware Bay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Chesapeake Bay	0.7	-	-	0.7	-	1.9	19.2	8.6	29.5	8.0	15.5	24.5	-	-	-	-	-	-	108.5
Baltimore, MD	-	-	-	-	-	0.9	0.1	-	-	-	-	-	-	-	-	-	-	-	1.0
Hampton Roads, VA	0.7	-	-	0.7	-	1.0	19.1	8.6	29.5	8.0	15.5	24.5	-	-	-	-	-	-	107.5
Mid-Atlantic Morehead City and Beaufort, NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Wilmington, NC	-	-	-	0.6	-	-	0.2	-	-	-	0.1	-	-	-	-	-	-	-	0.8
Mid-Atlantic Georgetown, SC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Charleston, SC	-	-	-	0.0	-	1.0	14.8	5.9	39.3	13.1	51.4	19.9	-	-	-	-	-	-	145.4
Mid-Atlantic Savannah, GA	-	-	-	-	-	-	2.0	-	-	1.8	6.8	-	-	9.0	-	-	-	-	19.6
Southeastern US	-	-	-	4.5	17.7	5.7	-	-	-	-	0.1	-	-	-	-	-	-	-	28.0
Brunswick, GA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fernandina, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Jacksonville, FL	-	-	-	4.5	17.7	5.7	-	-	-	-	0.1	-	-	-	-	-	-	-	28.0
Port Canaveral, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	0.7	-	-	11.0	17.7	18.3	47.6	21.0	68.8	28.5	104.0	68.4	-	9.0	-	-	-	-	395.0

Source: Prepared by Nathan Associates Inc. based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports as described in text.

Table G-7. Freight Barges: Estimated Economic Impact of ANPR on US Flag Vessels 150 GRT and Above by Port Region, Port Area and Vessel DWT, 2002 (US\$ 000s)

ANPR Port Region and Port Area	DWT (000s)																		Total
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+	
Northeastern US - Gulf of Maine	0.0	-	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1
Eastport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Searsport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portland, ME	-	-	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0
Portsmouth, NH	0.0	-	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1
Northeastern US - Off Race Point	-	-	-	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1
Boston, MA	-	-	-	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1
Salem, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Cape Cod Bay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Block Island Sound	0.0	-	0.0	-	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	0.6
New Bedford, MA	-	-	-	-	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	0.5
Providence, RI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New London, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Haven, CT	0.0	-	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0
Bridgeport, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Long Island, NY	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0
Mid-Atlantic Ports of New York/New Jersey	-	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0
Mid-Atlantic Delaware Bay	0.0	0.7	0.3	2.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.8
Mid-Atlantic Chesapeake Bay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Baltimore, MD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hampton Roads, VA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Morehead City and Beaufort, NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Wilmington, NC	0.0	-	-	-	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0
Mid-Atlantic Georgetown, SC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Charleston, SC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Savannah, GA	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0
Southeastern US	0.0	0.8	4.8	4.6	0.5	-	0.0	-	-	-	-	-	-	-	-	-	-	-	10.9
Brunswick, GA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fernandina, FL	0.0	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0
Jacksonville, FL	0.0	0.8	4.8	4.6	0.5	-	0.0	-	-	-	-	-	-	-	-	-	-	-	10.8
Port Canaveral, FL	0.0	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0
																			0
Total	0.0	1.5	5.2	7.5	1.1	-	0.0	-	-	-	-	-	-	-	-	-	-	-	15.4

Source: Prepared by Nathan Associates Inc. based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports as described in text.

Table G-8. Freight Barges: Estimated Economic Impact of ANPR on US Flag Vessels 150 GRT and Above by Port Region, Port Area and Vessel DWT, 2003 (US\$ 000s)

ANPR Port Region and Port Area	DWT (000s)																		Total
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+	
Northeastern US - Gulf of Maine	0.0	-	-	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0
Eastport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Searsport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portland, ME	0.0	-	-	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0
Portsmouth, NH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Off Race Point	0.0	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0
Boston, MA	0.0	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0
Salem, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Cape Cod Bay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Block Island Sound	0.0	-	-	0.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.4
New Bedford, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Providence, RI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New London, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Haven, CT	0.0	-	-	0.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.4
Bridgeport, CT	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0
Long Island, NY	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0
Mid-Atlantic Ports of New York/New Jersey	-	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0
Mid-Atlantic Delaware Bay	-	0.2	-	0.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.1
Mid-Atlantic Chesapeake Bay	-	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.2
Baltimore, MD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hampton Roads, VA	-	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.2
Mid-Atlantic Morehead City and Beaufort, NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Wilmington, NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Georgetown, SC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Charleston, SC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Savannah, GA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Southeastern US	0.0	0.8	6.5	6.8	0.0	-	0.0	-	-	-	-	-	-	-	-	-	-	-	14.2
Brunswick, GA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fernandina, FL	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0
Jacksonville, FL	0.0	0.8	6.5	6.8	0.0	-	0.0	-	-	-	-	-	-	-	-	-	-	-	14.2
Port Canaveral, FL	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0
Total	0.0	1.2	6.5	8.2	0.0	-	0.0	-	-	-	-	-	-	-	-	-	-	-	16.0

Source: Prepared by Nathan Associates Inc. based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports as described in text.

Table G-9. General Cargo Vessels: Estimated Economic Impact of ANPR on US Flag Vessels 150 GRT and Above by Port Region, Port Area and Vessel DWT, 2002 (US\$ 000s)

ANPR Port Region and Port Area	DWT (000s)																		Total
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+	
Northeastern US - Gulf of Maine	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Eastport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Searsport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portland, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portsmouth, NH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Off Race Point	-	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0
Boston, MA	-	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0
Salem, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Cape Cod Bay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Block Island Sound	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0
New Bedford, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Providence, RI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New London, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Haven, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bridgeport, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Long Island, NY	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0
Mid-Atlantic Ports of New York/New Jersey	-	-	0.0	-	-	0.0	-	-	-	-	-	-	-	-	-	-	-	-	0.0
Mid-Atlantic Delaware Bay	-	-	0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.3
Mid-Atlantic Chesapeake Bay	0.0	0.0	-	-	0.5	0.7	-	1.1	-	-	-	-	-	-	-	-	-	-	2.3
Baltimore, MD	-	0.0	-	-	0.5	0.0	-	1.1	-	-	-	-	-	-	-	-	-	-	1.6
Hampton Roads, VA	0.0	-	-	-	-	0.7	-	-	-	-	-	-	-	-	-	-	-	-	0.7
Mid-Atlantic Morehead City and Beaufort, NC	-	-	-	-	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0
Mid-Atlantic Wilmington, NC	-	-	-	-	-	-	-	-	0.8	-	-	-	-	-	-	-	-	-	0.8
Mid-Atlantic Georgetown, SC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Charleston, SC	0.0	-	-	0.2	-	0.3	-	-	-	-	-	-	-	-	-	-	-	-	0.5
Mid-Atlantic Savannah, GA	-	-	-	-	-	0.4	-	-	-	-	-	-	-	-	-	-	-	-	0.4
Southeastern US	0.0	0.0	-	-	4.1	-	-	-	-	-	-	-	-	-	-	-	-	-	4.1
Brunswick, GA	-	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0
Fernandina, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Jacksonville, FL	-	0.0	-	-	4.1	-	-	-	-	-	-	-	-	-	-	-	-	-	4.1
Port Canaveral, FL	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0
Total	0.0	0.0	0.3	0.2	4.6	1.4	-	1.1	0.8	-	-	-	-	-	-	-	-	-	0
																			8.5

Source: Prepared by Nathan Associates Inc. based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports as described in text.

Table G-10. General Cargo Vessels: Estimated Economic Impact of ANPR on US Flag Vessels 150 GRT and Above by Port Region, Port Area and Vessel DWT, 2003 (US\$ 000s)

ANPR Port Region and Port Area	DWT (000s)																		Total
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+	
Northeastern US - Gulf of Maine	-	-	-	-	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0
Eastport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Searsport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portland, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portsmouth, NH	-	-	-	-	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0
Northeastern US - Off Race Point	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boston, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Salem, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Cape Cod Bay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Block Island Sound	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Bedford, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Providence, RI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New London, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Haven, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bridgeport, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Long Island, NY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Ports of New York/New Jersey	-	0.0	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0
Mid-Atlantic Delaware Bay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Chesapeake Bay	-	0.0	0.3	0.0	0.0	2.1	0.9	-	-	-	-	-	-	-	-	-	-	-	3.3
Baltimore, MD	-	0.0	0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.3
Hampton Roads, VA	-	-	0.0	0.0	0.0	2.1	0.9	-	-	-	-	-	-	-	-	-	-	-	3.0
Mid-Atlantic Morehead City and Beaufort, NC	-	-	-	-	-	0.0	-	-	-	-	-	-	-	-	-	-	-	-	0.0
Mid-Atlantic Wilmington, NC	-	-	-	-	0.3	0.0	0.5	-	-	-	-	-	-	-	-	-	-	-	0.9
Mid-Atlantic Georgetown, SC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Charleston, SC	-	-	-	0.0	-	0.3	-	-	-	-	-	-	-	-	-	-	-	-	0.3
Mid-Atlantic Savannah, GA	-	-	-	-	-	0.0	-	-	-	-	-	-	-	-	-	-	-	-	0.0
Southeastern US	0.0	-	0.0	-	0.0	1.7	0.1	-	-	-	-	-	-	-	-	-	-	-	1.8
Brunswick, GA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fernandina, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Jacksonville, FL	-	-	0.0	-	0.0	1.7	0.1	-	-	-	-	-	-	-	-	-	-	-	1.8
Port Canaveral, FL	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0
Total	0.0	0.0	0.3	0.0	0.4	4.1	1.5	-	-	-	-	-	-	-	-	-	-	-	0
																			6.4

Source: Prepared by Nathan Associates Inc. based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports as described in text.

Table G-11. Passenger Vessels: Estimated Economic Impact of ANPR on US Flag Vessels 150 GRT and Above by Port Region, Port Area and Vessel DWT, 2002 (US\$ 000s)

ANPR Port Region and Port Area	DWT (000s)																		Total
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+	
Northeastern US - Gulf of Maine	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.2
Eastport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Searsport, ME	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1
Portland, ME	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1
Portsmouth, NH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Off Race Point	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boston, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Salem, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Cape Cod Bay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Block Island Sound	21.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21.5
New Bedford, MA	9.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.7
Providence, RI	1.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.6
New London, CT	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1
New Haven, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bridgeport, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Long Island, NY	10.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10.1
Mid-Atlantic Ports of New York/New Jersey	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.2
Mid-Atlantic Delaware Bay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Chesapeake Bay	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1
Baltimore, MD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hampton Roads, VA	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1
Mid-Atlantic Morehead City and Beaufort, NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Wilmington, NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Georgetown, SC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Charleston, SC	1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.4
Mid-Atlantic Savannah, GA	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1
Southeastern US	3.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.6
Brunswick, GA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fernandina, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Jacksonville, FL	3.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.3
Port Canaveral, FL	0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.3
Total	27.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	27.0

Source: Prepared by Nathan Associates Inc. based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports as described in text.

Table G-12. Passenger Vessels: Estimated Economic Impact of ANPR on US Flag Vessels 150 GRT and Above by Port Region, Port Area and Vessel DWT, 2003 (US\$ 000s)

ANPR Port Region and Port Area	DWT (000s)																		Total
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+	
Northeastern US - Gulf of Maine	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1
Eastport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Searsport, ME	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1
Portland, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portsmouth, NH	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1
Northeastern US - Off Race Point	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boston, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Salem, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Cape Cod Bay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Block Island Sound	36.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	36.0
New Bedford, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Providence, RI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New London, CT	7.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.2
New Haven, CT	6.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.3
Bridgeport, CT	1.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.7
Long Island, NY	20.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20.9
Mid-Atlantic Ports of New York/New Jersey	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Delaware Bay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Chesapeake Bay	1.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.5
Baltimore, MD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hampton Roads, VA	1.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.5
Mid-Atlantic Morehead City and Beaufort, NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Wilmington, NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Georgetown, SC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Charleston, SC	2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.1
Mid-Atlantic Savannah, GA	0.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.8
Southeastern US	8.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.9
Brunswick, GA	0.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.9
Fernandina, FL	1.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.1
Jacksonville, FL	6.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.6
Port Canaveral, FL	0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.3
Total	49.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	49.5

Source: Prepared by Nathan Associates Inc. based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports as described in text.

Table G-13. Refrigerated Cargo Vessels: Estimated Economic Impact of ANPR on US Flag Vessels 150 GRT and Above by Port Region, Port Area and Vessel DWT, 2002 (US\$ 000s)

ANPR Port Region and Port Area	DWT (000s)																		Total
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+	
Northeastern US - Gulf of Maine	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Eastport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Searsport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portland, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portsmouth, NH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Off Race Point	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boston, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Salem, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Cape Cod Bay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Block Island Sound	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Bedford, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Providence, RI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New London, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Haven, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bridgeport, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Long Island, NY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Ports of New York/New Jersey	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Delaware Bay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Chesapeake Bay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Baltimore, MD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hampton Roads, VA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Morehead City and Beaufort, NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Wilmington, NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Georgetown, SC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Charleston, SC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Savannah, GA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Southeastern US	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Brunswick, GA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fernandina, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Jacksonville, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Port Canaveral, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Source: Prepared by Nathan Associates Inc. based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports as described in text.

Table G-14. Refrigerated Cargo Vessels: Estimated Economic Impact of ANPR on US Flag Vessels 150 GRT and Above by Port Region, Port Area and Vessel DWT, 2003 (US\$ 000s)

ANPR Port Region and Port Area	DWT (000s)																		Total
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+	
Northeastern US - Gulf of Maine	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Eastport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Searsport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portland, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portsmouth, NH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Off Race Point	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boston, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Salem, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Cape Cod Bay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Block Island Sound	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Bedford, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Providence, RI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New London, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Haven, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bridgeport, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Long Island, NY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Ports of New York/New Jersey	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Delaware Bay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Chesapeake Bay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Baltimore, MD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hampton Roads, VA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Morehead City and Beaufort, NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Wilmington, NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Georgetown, SC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Charleston, SC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Savannah, GA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Southeastern US	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Brunswick, GA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fernandina, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Jacksonville, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Port Canaveral, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0

Source: Prepared by Nathan Associates Inc. based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports as described in text.

Table G-15. Ro-Ro Vessels: Estimated Economic Impact of ANPR on US Flag Vessels 150 GRT and Above by Port Region, Port Area and Vessel DWT, 2002 (US\$ 000s)

ANPR Port Region and Port Area	DWT (000s)																		Total
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+	
Northeastern US - Gulf of Maine	-	-	-	-	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0
Eastport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Searsport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portland, ME	-	-	-	-	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0
Portsmouth, NH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Off Race Point	-	-	0.1	0.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.7
Boston, MA	-	-	0.1	0.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.7
Salem, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Cape Cod Bay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Block Island Sound	-	-	-	0.0	0.9	-	-	-	-	-	-	-	-	-	-	-	-	-	0.9
New Bedford, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Providence, RI	-	-	-	0.0	0.9	-	-	-	-	-	-	-	-	-	-	-	-	-	0.9
New London, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Haven, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bridgeport, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Long Island, NY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Ports of New York/New Jersey	0.0	0.0	-	2.5	0.8	-	-	-	-	-	-	-	-	-	-	-	-	-	3.3
Mid-Atlantic Delaware Bay	-	-	-	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0
Mid-Atlantic Chesapeake Bay	0.1	0.0	0.1	13.5	5.5	5.1	1.1	-	-	-	-	-	-	-	-	-	-	-	25.4
Baltimore, MD	-	0.0	0.0	13.5	4.5	5.1	1.1	-	-	-	-	-	-	-	-	-	-	-	24.2
Hampton Roads, VA	0.1	-	0.1	-	1.0	-	-	-	-	-	-	-	-	-	-	-	-	-	1.1
Mid-Atlantic Morehead City and Beaufort, NC	-	-	-	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.5
Mid-Atlantic Wilmington, NC	-	-	0.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.4
Mid-Atlantic Georgetown, SC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Charleston, SC	-	0.0	0.3	3.8	2.2	3.0	0.5	-	-	-	-	-	-	-	-	-	-	-	9.8
Mid-Atlantic Savannah, GA	-	-	-	0.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.4
Southeastern US	-	-	0.8	29.9	4.2	5.2	-	-	-	-	-	-	-	-	-	-	-	-	40.2
Brunswick, GA	-	-	0.4	7.0	2.8	5.2	-	-	-	-	-	-	-	-	-	-	-	-	15.4
Fernandina, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Jacksonville, FL	-	-	0.4	23.0	1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	24.8
Port Canaveral, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	0.1	0.1	1.6	51.3	13.6	13.3	1.7	-	-	-	-	-	-	-	-	-	-	-	81.6

Source: Prepared by Nathan Associates Inc. based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports as described in text.

Table G-16. Ro-Ro Vessels: Estimated Economic Impact of ANPR on US Flag Vessels 150 GRT and Above by Port Region, Port Area and Vessel DWT, 2003 (US\$ 000s)

ANPR Port Region and Port Area	DWT (000s)																		Total
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+	
Northeastern US - Gulf of Maine	-	-	0.1	0.2	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	0.5
Eastport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Searsport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portland, ME	-	-	0.1	0.2	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	0.5
Portsmouth, NH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Off Race Point	-	-	1.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.2
Boston, MA	-	-	1.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.2
Salem, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Cape Cod Bay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Block Island Sound	-	-	0.0	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0
New Bedford, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Providence, RI	-	-	0.0	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0
New London, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Haven, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bridgeport, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Long Island, NY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Ports of New York/New Jersey	-	-	-	2.5	0.8	-	-	-	-	-	-	-	-	-	-	-	-	-	3.2
Mid-Atlantic Delaware Bay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Chesapeake Bay	-	-	0.0	12.0	7.8	4.0	-	-	-	-	-	-	-	-	-	-	-	-	23.7
Baltimore, MD	-	-	0.0	10.6	6.0	2.9	-	-	-	-	-	-	-	-	-	-	-	-	19.6
Hampton Roads, VA	-	-	-	1.4	1.7	1.0	-	-	-	-	-	-	-	-	-	-	-	-	4.2
Mid-Atlantic Morehead City and Beaufort, NC	-	-	0.4	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.9
Mid-Atlantic Wilmington, NC	-	0.2	-	-	0.5	-	0.8	-	-	-	-	-	-	-	-	-	-	-	1.5
Mid-Atlantic Georgetown, SC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Charleston, SC	0.1	0.2	-	4.1	3.7	1.9	0.6	-	-	-	-	-	-	-	-	-	-	-	10.6
Mid-Atlantic Savannah, GA	-	0.0	-	-	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	0.5
Southeastern US	0.0	0.0	-	20.4	5.9	1.5	0.8	-	-	-	-	-	-	-	-	-	-	-	28.8
Brunswick, GA	-	-	-	5.1	4.5	1.3	-	-	-	-	-	-	-	-	-	-	-	-	10.8
Fernandina, FL	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0
Jacksonville, FL	-	0.0	-	15.4	1.5	0.3	0.8	-	-	-	-	-	-	-	-	-	-	-	18.0
Port Canaveral, FL	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0
Total	0.1	0.5	1.7	39.8	19.4	7.4	2.2	-	-	-	-	-	-	-	-	-	-	-	71.0

Source: Prepared by Nathan Associates Inc. based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports as described in text.

Table G-17. Tank Barges: Estimated Economic Impact of ANPR on US Flag Vessels 150 GRT and Above by Port Region, Port Area and Vessel DWT, 2002 (US\$ 000s)

ANPR Port Region and Port Area	DWT (000s)																		Total
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+	
Northeastern US - Gulf of Maine	0.1	0.3	0.5	0.2	0.0	-	-	-	-	0.0	-	-	-	-	-	-	-	-	1.1
Eastport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Searsport, ME	0.0	0.2	0.3	0.1	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	0.7
Portland, ME	0.0	0.0	0.0	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.2
Portsmouth, NH	-	0.0	0.1	0.0	0.0	-	-	-	-	0.0	-	-	-	-	-	-	-	-	0.2
Northeastern US - Off Race Point	0.0	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.3
Boston, MA	0.0	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.3
Salem, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Cape Cod Bay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Block Island Sound	4.8	12.9	5.9	5.9	3.7	-	-	-	-	-	-	-	-	-	-	-	-	-	33.1
New Bedford, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Providence, RI	-	-	-	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0
New London, CT	0.5	1.2	0.3	-	0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	2.3
New Haven, CT	0.4	3.4	1.9	2.6	0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	8.6
Bridgeport, CT	0.8	2.6	0.8	2.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.8
Long Island, NY	3.2	5.7	2.9	0.6	3.1	-	-	-	-	-	-	-	-	-	-	-	-	-	15.5
Mid-Atlantic Ports of New York/New Jersey	-	-	0.0	-	-	0.2	-	-	-	-	-	-	-	-	-	-	-	-	0.3
Mid-Atlantic Delaware Bay	-	0.4	0.0	-	0.0	0.3	0.3	-	-	1.0	0.4	-	-	-	-	-	-	-	2.4
Mid-Atlantic Chesapeake Bay	0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.3
Baltimore, MD	0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.3
Hampton Roads, VA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Morehead City and Beaufort, NC	-	-	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0
Mid-Atlantic Wilmington, NC	-	0.7	0.4	0.4	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	1.5
Mid-Atlantic Georgetown, SC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Charleston, SC	-	0.1	-	0.1	2.5	-	0.2	-	-	-	-	-	-	-	-	-	-	-	2.9
Mid-Atlantic Savannah, GA	-	0.4	0.1	0.3	-	-	0.0	-	-	0.2	-	-	-	-	-	-	-	-	1.1
Southeastern US	-	0.5	0.0	0.3	-	0.7	0.3	-	-	0.1	-	-	-	-	-	-	-	-	1.9
Brunswick, GA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fernandina, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Jacksonville, FL	-	0.5	0.0	0.3	-	0.7	0.3	-	-	0.1	-	-	-	-	-	-	-	-	1.8
Port Canaveral, FL	-	-	-	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0
Total	5.2	15.5	7.0	7.1	6.2	1.3	0.8	-	-	1.4	0.4	-	-	-	-	-	-	-	44.8

Source: Prepared by Nathan Associates Inc. based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports as described in text.

Table G-18. Tank Barges: Estimated Economic Impact of ANPR on US Flag Vessels 150 GRT and Above by Port Region, Port Area and Vessel DWT, 2003 (US\$ 000s)

ANPR Port Region and Port Area	DWT (000s)																		Total
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+	
Northeastern US - Gulf of Maine	0.0	0.2	0.2	0.1	0.0	-	-	-	-	0.0	-	-	-	-	-	-	-	-	0.6
Eastport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Searsport, ME	0.0	0.1	0.1	0.0	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	0.3
Portland, ME	0.0	0.1	0.1	0.1	0.0	-	-	-	-	0.0	-	-	-	-	-	-	-	-	0.3
Portsmouth, NH	-	-	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0
Northeastern US - Off Race Point	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boston, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Salem, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Cape Cod Bay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Block Island Sound	17.7	30.2	7.9	12.4	10.1	-	-	-	-	-	-	-	-	-	-	-	-	-	78.3
New Bedford, MA	0.0	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0
Providence, RI	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0
New London, CT	1.8	2.4	0.3	-	0.6	-	-	-	-	-	-	-	-	-	-	-	-	-	5.0
New Haven, CT	3.3	6.1	3.0	5.2	0.6	-	-	-	-	-	-	-	-	-	-	-	-	-	18.2
Bridgeport, CT	2.6	5.1	2.4	3.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13.9
Long Island, NY	10.1	16.7	2.3	3.3	8.8	-	-	-	-	-	-	-	-	-	-	-	-	-	41.2
Mid-Atlantic Ports of New York/New Jersey	0.1	2.4	0.2	0.0	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	2.7
Mid-Atlantic Delaware Bay	0.2	0.4	0.5	1.3	-	0.0	-	-	-	-	-	-	-	-	-	-	-	-	2.4
Mid-Atlantic Chesapeake Bay	0.0	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.2
Baltimore, MD	0.0	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.2
Hampton Roads, VA	-	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0
Mid-Atlantic Morehead City and Beaufort, NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Wilmington, NC	-	0.5	-	1.0	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	1.7
Mid-Atlantic Georgetown, SC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Charleston, SC	-	-	0.5	0.4	1.2	-	0.1	-	-	-	-	-	-	-	-	-	-	-	2.2
Mid-Atlantic Savannah, GA	-	0.4	-	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.5
Southeastern US	-	-	-	0.8	0.0	0.2	0.5	-	-	-	-	-	-	-	-	-	-	-	1.5
Brunswick, GA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fernandina, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Jacksonville, FL	-	-	-	0.8	0.0	0.2	0.4	-	-	-	-	-	-	-	-	-	-	-	1.4
Port Canaveral, FL	-	-	-	0.0	0.0	-	0.0	-	-	-	-	-	-	-	-	-	-	-	0.0
Total	18.1	34.3	9.3	16.0	11.5	0.2	0.6	-	-	0.0	-	-	-	-	-	-	-	-	89.9

Source: Prepared by Nathan Associates Inc. based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports as described in text.

Table G-19. Tankers: Estimated Economic Impact of ANPR on US Flag Vessels 150 GRT and Above by Port Region, Port Area and Vessel DWT, 2002 (US\$ 000s)

ANPR Port Region and Port Area	DWT (000s)																		Total
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+	
Northeastern US - Gulf of Maine	0.0	-	-	-	-	-	0.1	0.3	-	0.0	-	-	-	-	-	-	-	-	0.4
Eastport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Searsport, ME	0.0	-	-	-	-	-	0.0	0.0	-	0.0	-	-	-	-	-	-	-	-	0.1
Portland, ME	0.0	-	-	-	-	-	0.0	0.2	-	0.0	-	-	-	-	-	-	-	-	0.2
Portsmouth, NH	-	-	-	-	-	-	-	0.0	-	-	-	-	-	-	-	-	-	-	0.0
Northeastern US - Off Race Point	0.2	-	-	-	-	-	0.1	0.3	0.1	-	-	-	-	-	-	-	-	-	0.7
Boston, MA	0.2	-	-	-	-	-	0.1	0.3	0.1	-	-	-	-	-	-	-	-	-	0.7
Salem, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Cape Cod Bay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Block Island Sound	4.4	-	-	1.5	-	-	0.7	0.4	0.7	0.1	-	-	-	-	-	-	-	-	7.8
New Bedford, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Providence, RI	0.4	-	-	-	-	-	0.0	0.0	0.7	0.1	-	-	-	-	-	-	-	-	1.2
New London, CT	-	-	-	0.0	-	-	0.3	0.0	-	-	-	-	-	-	-	-	-	-	0.4
New Haven, CT	1.6	-	-	0.3	-	-	0.0	0.0	-	0.1	-	-	-	-	-	-	-	-	1.9
Bridgeport, CT	0.9	-	-	-	-	-	0.3	0.3	-	-	-	-	-	-	-	-	-	-	1.6
Long Island, NY	1.6	-	-	1.2	-	-	-	0.0	0.0	-	-	-	-	-	-	-	-	-	2.8
Mid-Atlantic Ports of New York/New Jersey	4.7	-	-	0.1	-	-	2.9	5.2	3.8	0.7	-	-	-	-	-	-	-	-	17.5
Mid-Atlantic Delaware Bay	0.5	-	-	1.3	-	-	1.9	7.0	-	2.5	-	-	-	-	-	-	-	-	13.1
Mid-Atlantic Chesapeake Bay	0.2	-	-	-	-	-	1.2	1.3	0.0	2.1	-	-	-	-	-	-	-	-	4.7
Baltimore, MD	0.2	-	-	-	-	-	0.6	0.3	-	1.7	-	-	-	-	-	-	-	-	2.8
Hampton Roads, VA	-	-	-	-	-	-	0.6	0.9	0.0	0.3	-	-	-	-	-	-	-	-	1.9
Mid-Atlantic Morehead City and Beaufort, NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Wilmington, NC	0.9	-	-	0.0	-	-	0.6	-	1.4	0.7	-	-	-	-	-	-	-	-	3.6
Mid-Atlantic Georgetown, SC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Charleston, SC	0.0	-	-	0.0	-	-	0.0	0.9	1.8	0.3	-	-	-	-	-	-	-	-	3.1
Mid-Atlantic Savannah, GA	0.0	-	-	0.3	-	-	0.4	2.4	0.8	0.2	-	-	-	-	-	-	-	-	4.1
Southeastern US	0.2	-	-	-	-	-	-	1.8	-	1.1	0.3	-	-	-	-	-	-	-	3.4
Brunswick, GA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fernandina, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Jacksonville, FL	0.2	-	-	-	-	-	-	1.7	-	1.1	0.3	-	-	-	-	-	-	-	3.3
Port Canaveral, FL	-	-	-	-	-	-	-	0.0	-	-	-	-	-	-	-	-	-	-	0.0
Total	11.2	-	-	3.3	-	-	7.8	19.4	8.7	7.7	0.3	-	-	-	-	-	-	-	58.4

Source: Prepared by Nathan Associates Inc. based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports as described in text.

Table G-20. Tankers: Estimated Economic Impact of ANPR on US Flag Vessels 150 GRT and Above by Port Region, Port Area and Vessel DWT, 2003 (US\$ 000s)

ANPR Port Region and Port Area	DWT (000s)																		Total
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+	
Northeastern US - Gulf of Maine	0.1	-	-	0.0	-	-	0.0	0.5	0.0	0.1	0.1	-	-	-	-	-	0.0	-	0.9
Eastport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Searsport, ME	-	-	-	-	-	-	-	0.0	-	0.1	-	-	-	-	-	-	-	-	0.1
Portland, ME	0.1	-	-	-	-	-	0.0	0.4	0.0	0.1	0.1	-	-	-	-	-	0.0	-	0.8
Portsmouth, NH	-	-	-	0.0	-	-	-	0.0	0.0	-	-	-	-	-	-	-	-	-	0.1
Northeastern US - Off Race Point	0.0	-	-	-	-	-	0.1	0.5	-	-	-	-	-	-	-	-	-	-	0.6
Boston, MA	0.0	-	-	-	-	-	0.1	0.5	-	-	-	-	-	-	-	-	-	-	0.6
Salem, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Cape Cod Bay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Block Island Sound	13.5	-	-	2.6	-	-	0.4	0.7	-	1.5	0.0	-	-	-	-	-	-	-	18.7
New Bedford, MA	-	-	-	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0
Providence, RI	0.5	-	-	-	-	-	0.3	0.3	-	0.8	-	-	-	-	-	-	-	-	1.9
New London, CT	-	-	-	0.3	-	-	0.0	-	-	-	-	-	-	-	-	-	-	-	0.3
New Haven, CT	3.1	-	-	-	-	-	0.0	0.0	-	0.8	0.0	-	-	-	-	-	-	-	3.9
Bridgeport, CT	2.5	-	-	-	-	-	-	-	-	0.0	-	-	-	-	-	-	-	-	2.5
Long Island, NY	7.4	-	-	2.3	-	-	0.0	0.3	-	-	-	-	-	-	-	-	-	-	10.1
Mid-Atlantic Ports of New York/New Jersey	6.5	-	-	1.4	-	-	3.5	5.0	3.9	1.8	0.0	-	-	-	-	-	-	-	22.2
Mid-Atlantic Delaware Bay	0.5	-	-	0.6	-	-	1.3	3.0	0.7	1.4	0.0	-	-	-	-	-	-	-	7.5
Mid-Atlantic Chesapeake Bay	0.2	-	-	0.0	-	-	2.5	-	0.0	1.4	0.0	-	-	-	-	-	-	-	4.1
Baltimore, MD	-	-	-	0.0	-	-	0.0	-	-	1.1	-	-	-	-	-	-	-	-	1.1
Hampton Roads, VA	0.2	-	-	-	-	-	2.4	-	0.0	0.4	0.0	-	-	-	-	-	-	-	3.0
Mid-Atlantic Morehead City and Beaufort, NC	-	-	-	-	-	-	0.0	-	-	-	-	-	-	-	-	-	-	-	0.0
Mid-Atlantic Wilmington, NC	0.9	-	-	-	-	-	0.0	-	1.9	0.0	-	-	-	-	-	-	-	-	2.9
Mid-Atlantic Georgetown, SC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Charleston, SC	0.1	-	-	-	-	-	0.8	2.1	1.1	0.2	-	-	-	-	-	-	-	-	4.1
Mid-Atlantic Savannah, GA	-	-	-	-	-	-	0.7	3.1	0.5	0.2	-	-	-	-	-	-	-	-	4.5
Southeastern US	0.2	-	-	-	-	-	0.6	1.8	0.0	3.8	-	-	-	-	-	-	-	-	6.5
Brunswick, GA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fernandina, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Jacksonville, FL	0.2	-	-	-	-	-	0.6	1.8	0.0	3.8	-	-	-	-	-	-	-	-	6.4
Port Canaveral, FL	-	-	-	-	-	-	0.0	0.0	-	0.0	-	-	-	-	-	-	-	-	0.1
Total	22.1	-	-	4.5	-	-	9.8	16.5	8.2	10.6	0.2	-	-	-	-	-	0.0	-	71.9

Source: Prepared by Nathan Associates Inc. based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports as described in text.

Table G-21. Towing Vessels: Estimated Economic Impact of ANPR on US Flag Vessels 150 GRT and Above by Port Region, Port Area and Vessel DWT, 2002 (US\$ 000s)

ANPR Port Region and Port Area	DWT (000s)																	Total	
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150		150+
Northeastern US - Gulf of Maine	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0
Eastport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Searsport, ME	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0
Portland, ME	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0
Portsmouth, NH	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0
Northeastern US - Off Race Point	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boston, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Salem, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Cape Cod Bay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Block Island Sound	1.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.1
New Bedford, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Providence, RI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New London, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Haven, CT	1.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.1
Bridgeport, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Long Island, NY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Ports of New York/New Jersey	1.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.0
Mid-Atlantic Delaware Bay	2.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.0
Mid-Atlantic Chesapeake Bay	1.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.3
Baltimore, MD	1.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.3
Hampton Roads, VA	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0
Mid-Atlantic Morehead City and Beaufort, NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Wilmington, NC	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1
Mid-Atlantic Georgetown, SC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Charleston, SC	1.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.0
Mid-Atlantic Savannah, GA	1.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.0
Southeastern US	8.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.6
Brunswick, GA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fernandina, FL	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1
Jacksonville, FL	8.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.6
Port Canaveral, FL	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0
Total	16.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16.1

Source: Prepared by Nathan Associates Inc. based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports as described in text.

Table G-22. Towing Vessels: Estimated Economic Impact of ANPR on US Flag Vessels 150 GRT and Above by Port Region, Port Area and Vessel DWT, 2003 (US\$ 000s)

ANPR Port Region and Port Area	DWT (000s)																		Total
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+	
Northeastern US - Gulf of Maine	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.2
Eastport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Searsport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portland, ME	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.2
Portsmouth, NH	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0
Northeastern US - Off Race Point	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0
Boston, MA	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0
Salem, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Cape Cod Bay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Block Island Sound	1.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.6
New Bedford, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Providence, RI	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.2
New London, CT	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0
New Haven, CT	0.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.9
Bridgeport, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Long Island, NY	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.5
Mid-Atlantic Ports of New York/New Jersey	1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.4
Mid-Atlantic Delaware Bay	1.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.2
Mid-Atlantic Chesapeake Bay	0.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.7
Baltimore, MD	0.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.7
Hampton Roads, VA	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0
Mid-Atlantic Morehead City and Beaufort, NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Wilmington, NC	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1
Mid-Atlantic Georgetown, SC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Charleston, SC	1.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.0
Mid-Atlantic Savannah, GA	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.2
Southeastern US	14.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.5
Brunswick, GA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fernandina, FL	0.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.8
Jacksonville, FL	13.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13.6
Port Canaveral, FL	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1
Total	20.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20.9

Source: Prepared by Nathan Associates Inc. based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports as described in text.

Table G-23. Other Vessels: Estimated Economic Impact of ANPR on US Flag Vessels 150 GRT and Above by Port Region, Port Area and Vessel DWT, 2002 (US\$ 000s)

ANPR Port Region and Port Area	DWT (000s)																	Total	
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150		150+
Northeastern US - Gulf of Maine	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Eastport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Searsport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portland, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portsmouth, NH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Off Race Point	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boston, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Salem, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Cape Cod Bay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Block Island Sound	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Bedford, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Providence, RI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New London, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Haven, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bridgeport, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Long Island, NY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Ports of New York/New Jersey	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Delaware Bay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Chesapeake Bay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Baltimore, MD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hampton Roads, VA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Morehead City and Beaufort, NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Wilmington, NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Georgetown, SC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Charleston, SC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Savannah, GA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Southeastern US	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Brunswick, GA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fernandina, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Jacksonville, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Port Canaveral, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Source: Prepared by Nathan Associates Inc. based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports as described in text.

Table G-24. Other Vessels: Estimated Economic Impact of ANPR on US Flag Vessels 150 GRT and Above by Port Region, Port Area and Vessel DWT, 2003 (US\$ 000s)

ANPR Port Region and Port Area	DWT (000s)																	Total	
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150		150+
Northeastern US - Gulf of Maine	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Eastport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Searsport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portland, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portsmouth, NH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Off Race Point	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boston, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Salem, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Cape Cod Bay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Block Island Sound	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Bedford, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Providence, RI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New London, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Haven, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bridgeport, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Long Island, NY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Ports of New York/New Jersey	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Delaware Bay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Chesapeake Bay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Baltimore, MD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hampton Roads, VA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Morehead City and Beaufort, NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Wilmington, NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Georgetown, SC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Charleston, SC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Savannah, GA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Southeastern US	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Brunswick, GA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fernandina, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Jacksonville, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Port Canaveral, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Source: Prepared by Nathan Associates Inc. based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports as described in text.

Appendix H

ESTIMATED ECONOMIC
IMPACT OF ANPR ON
FOREIGN FLAG VESSELS

Table H-1. Bulk Carriers: Estimated Economic Impact of ANPR on Foreign Flag Vessels 150 GRT and Above by Port Region, Port Area and Vessel DWT, 2002 (US\$ 000s)

ANPR Port Region and Port Area	DWT (000s)																		Total
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+	
Northeastern US - Gulf of Maine	-	-	0.0	0.0	0.0	0.1	0.1	0.2	0.1	0.2	0.1	0.1	0.0	-	-	-	-	-	0.9
Eastport, ME	-	-	0.0	0.0	0.0	-	0.0	-	0.0	-	-	-	-	-	-	-	-	-	0.0
Searsport, ME	-	-	-	-	-	0.0	-	-	-	-	-	-	-	-	-	-	-	-	0.0
Portland, ME	-	-	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	-	-	-	-	-	0.5
Portsmouth, NH	-	-	-	-	-	0.0	0.0	0.1	0.0	0.1	0.0	0.1	-	-	-	-	-	-	0.4
Northeastern US - Off Race Point	-	-	0.1	0.2	0.0	0.0	-	0.3	0.7	0.1	0.4	0.2	0.5	-	-	-	-	-	2.5
Boston, MA	-	-	0.1	0.2	0.0	0.0	-	0.1	0.2	0.1	0.3	0.2	0.1	-	-	-	-	-	1.3
Salem, MA	-	-	-	-	-	-	-	0.1	0.5	-	0.0	0.0	0.5	-	-	-	-	-	1.2
Northeastern US - Cape Cod Bay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Block Island Sound	-	-	0.0	0.2	0.3	0.6	1.1	1.2	1.4	1.1	1.5	0.3	0.9	-	-	-	-	-	8.6
New Bedford, MA	-	-	-	-	0.0	-	-	0.1	0.5	-	-	0.0	0.6	-	-	-	-	-	1.2
Providence, RI	-	-	-	0.2	0.0	0.2	1.1	0.6	0.2	0.2	0.0	0.0	0.0	-	-	-	-	-	2.6
New London, CT	-	-	0.0	0.0	-	0.0	-	-	-	0.2	0.2	-	-	-	-	-	-	-	0.5
New Haven, CT	-	-	0.0	0.0	0.3	0.3	0.0	0.4	0.7	0.7	1.0	0.3	-	-	-	-	-	-	3.7
Bridgeport, CT	-	-	0.0	-	-	-	-	-	-	0.0	0.2	-	0.3	-	-	-	-	-	0.6
Long Island, NY	-	-	-	-	-	-	-	0.0	-	-	-	-	-	-	-	-	-	-	0.0
Mid-Atlantic Ports of New York/New Jersey	-	-	0.1	0.4	0.1	0.6	1.5	2.0	3.2	2.8	1.7	1.3	1.4	0.2	-	-	-	-	15.5
Mid-Atlantic Delaware Bay	-	-	0.7	0.3	0.8	1.7	2.5	2.6	3.2	3.9	1.7	4.2	1.1	-	-	-	-	-	22.6
Mid-Atlantic Chesapeake Bay	-	-	0.4	0.5	0.9	0.8	2.3	2.4	2.4	1.5	1.7	7.3	14.4	0.6	0.3	0.6	2.9	2.6	41.4
Baltimore, MD	-	-	0.3	0.3	0.3	0.4	0.8	0.6	0.8	0.8	0.5	4.0	9.4	0.0	-	0.3	2.1	0.8	21.6
Hampton Roads, VA	-	-	0.0	0.2	0.6	0.4	1.5	1.8	1.6	0.7	1.2	3.2	5.0	0.6	0.3	0.3	0.8	1.7	19.8
Mid-Atlantic Morehead City and Beaufort, NC	-	-	-	-	0.1	0.1	0.0	-	0.0	-	-	0.0	-	-	-	-	-	-	0.2
Mid-Atlantic Wilmington, NC	-	-	0.0	0.1	0.2	0.6	0.6	0.3	0.5	0.6	0.1	0.0	0.0	-	-	-	-	-	3.0
Mid-Atlantic Georgetown, SC	-	-	0.1	0.0	0.0	0.1	0.2	0.1	0.2	0.0	0.6	-	-	-	-	-	-	-	1.4
Mid-Atlantic Charleston, SC	-	-	0.1	0.2	0.1	0.1	0.5	0.9	1.8	0.7	0.6	0.3	1.6	0.1	-	-	-	-	6.8
Mid-Atlantic Savannah, GA	-	-	0.1	0.2	0.4	0.8	0.8	0.7	1.0	1.3	0.4	-	0.2	-	-	-	-	-	5.9
Southeastern US	-	-	0.2	0.2	0.2	0.7	0.9	0.8	0.8	1.0	0.8	1.5	1.4	-	-	-	-	-	8.3
Brunswick, GA	-	-	0.0	0.0	0.2	0.3	0.0	0.2	0.1	0.3	-	0.5	0.0	-	-	-	-	-	1.8
Fernandina, FL	-	-	0.0	0.0	-	-	-	-	0.0	-	0.2	-	-	-	-	-	-	-	0.2
Jacksonville, FL	-	-	0.1	0.1	0.0	0.3	0.8	0.5	0.6	0.6	0.6	1.0	1.4	-	-	-	-	-	6.0
Port Canaveral, FL	-	-	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	-	-	0.0	-	-	-	-	-	0.2
Total	-	-	1.8	2.3	3.1	6.1	10.4	11.3	15.2	13.1	9.6	15.2	21.5	1.0	0.3	0.6	2.9	2.6	117.0

Source: Prepared by Nathan Associates Inc. based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports as described in text.

Table H-2. Bulk Carriers: Estimated Economic Impact of ANPR on Foreign Flag Vessels 150 GRT and Above by Port Region, Port Area and Vessel DWT, 2003 (US\$ 000s)

ANPR Port Region and Port Area	DWT (000s)																		Total
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+	
Northeastern US - Gulf of Maine	-	-	0.0	0.0	0.2	0.2	0.2	0.3	0.4	0.3	0.1	0.1	0.1	-	-	-	-	-	2.0
Eastport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Searsport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portland, ME	-	-	0.0	0.0	0.2	0.2	0.1	0.1	0.2	0.3	0.1	0.1	0.1	-	-	-	-	-	1.6
Portsmouth, NH	-	-	0.0	-	0.0	0.0	0.0	0.2	0.1	0.0	0.0	0.0	-	-	-	-	-	-	0.4
Northeastern US - Off Race Point	-	-	0.0	0.1	0.0	0.1	0.0	0.0	0.4	0.1	-	0.1	0.2	-	-	-	-	-	1.0
Boston, MA	-	-	0.0	0.1	0.0	0.1	0.0	0.0	0.2	0.1	-	0.1	0.1	-	-	-	-	-	0.7
Salem, MA	-	-	-	-	-	-	-	-	0.2	0.1	-	-	0.1	-	-	-	-	-	0.4
Northeastern US - Cape Cod Bay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Block Island Sound	-	-	0.0	0.2	0.3	0.7	1.1	1.4	0.9	2.9	1.3	2.4	3.2	-	-	-	-	-	14.5
New Bedford, MA	-	-	-	-	0.1	-	0.0	0.2	0.0	0.4	0.3	1.1	0.9	-	-	-	-	-	3.0
Providence, RI	-	-	-	0.1	0.1	0.1	0.8	0.8	0.7	0.6	0.0	0.0	0.0	-	-	-	-	-	3.1
New London, CT	-	-	-	0.0	-	0.0	-	0.2	0.2	0.5	-	-	-	-	-	-	-	-	1.0
New Haven, CT	-	-	0.0	0.0	0.1	0.6	0.4	0.1	0.0	0.5	1.0	1.0	-	-	-	-	-	-	3.8
Bridgeport, CT	-	-	0.0	-	-	-	-	-	-	0.9	-	0.3	2.3	-	-	-	-	-	3.5
Long Island, NY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Ports of New York/New Jersey	-	-	0.2	0.3	0.1	0.7	1.4	2.6	4.0	3.9	3.1	1.1	1.6	0.2	-	-	-	-	19.4
Mid-Atlantic Delaware Bay	-	-	0.2	0.3	0.5	1.9	1.4	3.8	2.8	3.2	1.7	0.5	0.8	-	-	-	-	-	17.1
Mid-Atlantic Chesapeake Bay	-	-	0.3	0.4	0.8	1.1	1.5	2.9	2.5	3.0	2.4	8.8	16.8	2.2	-	0.6	1.1	0.8	45.3
Baltimore, MD	-	-	0.2	0.2	0.3	0.7	0.6	1.9	1.0	2.0	1.9	5.1	8.3	1.1	-	-	0.0	0.4	23.7
Hampton Roads, VA	-	-	0.2	0.2	0.5	0.4	0.9	1.0	1.5	1.0	0.5	3.7	8.5	1.1	-	0.6	1.1	0.4	21.6
Mid-Atlantic Morehead City and Beaufort, NC	-	-	0.0	-	0.1	0.1	0.0	-	-	-	0.2	0.0	0.0	-	-	-	-	-	0.4
Mid-Atlantic Wilmington, NC	-	-	0.0	0.1	0.0	0.3	0.3	0.5	0.7	0.2	0.6	-	0.2	-	-	-	-	-	2.8
Mid-Atlantic Georgetown, SC	-	-	0.0	-	-	-	-	-	-	0.0	-	-	-	-	-	-	-	-	0.0
Mid-Atlantic Charleston, SC	-	-	0.0	0.2	0.1	0.2	0.5	0.9	1.5	0.3	0.2	0.5	1.2	-	-	-	-	-	5.8
Mid-Atlantic Savannah, GA	-	-	0.2	0.2	0.5	0.9	1.3	0.7	1.4	0.9	0.8	-	-	-	-	-	-	-	6.9
Southeastern US	-	-	0.1	0.2	0.1	0.6	0.3	0.4	2.3	2.2	0.9	1.0	1.2	-	-	-	-	-	9.2
Brunswick, GA	-	-	0.0	0.1	0.0	0.2	0.0	0.1	0.6	0.3	0.0	0.2	-	-	-	-	-	-	1.6
Fernandina, FL	-	-	0.0	-	-	-	0.0	0.1	0.0	-	0.4	-	-	-	-	-	-	-	0.5
Jacksonville, FL	-	-	0.1	0.1	0.0	0.3	0.2	0.2	1.6	1.8	0.4	0.8	1.2	-	-	-	-	-	6.9
Port Canaveral, FL	-	-	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	-	-	-	-	-	-	-	0.3
Total	-	-	1.2	2.0	2.8	6.7	8.0	13.5	17.0	17.1	11.3	14.5	25.3	2.5	-	0.6	1.1	0.8	124.4

Source: Prepared by Nathan Associates Inc. based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports as described in text.

Table H-3. Combination Carriers: Estimated Economic Impact of ANPR on Foreign Flag Vessels 150 GRT and Above by Port Region, Port Area and Vessel DWT, 2002 (US\$ 000s)

ANPR Port Region and Port Area	DWT (000s)																		Total
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+	
Northeastern US - Gulf of Maine	-	-	-	-	-	-	-	-	-	-	0.0	-	-	-	0.0	0.1	-	-	0.2
Eastport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Searsport, ME	-	-	-	-	-	-	-	-	-	-	0.0	-	-	-	-	-	-	-	0.0
Portland, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0	0.1	-	-	0.2
Portsmouth, NH	-	-	-	-	-	-	-	-	-	-	0.0	-	-	-	-	-	-	-	0.0
Northeastern US - Off Race Point	-	-	-	-	-	-	-	-	-	-	-	0.1	-	-	-	-	-	-	0.1
Boston, MA	-	-	-	-	-	-	-	-	-	-	-	0.1	-	-	-	-	-	-	0.1
Salem, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Cape Cod Bay	-	-	-	-	-	-	-	-	-	-	0.0	-	-	-	-	-	-	-	0.0
Mid-Atlantic Block Island Sound	-	-	-	-	-	-	-	-	-	-	0.3	0.0	0.3	-	-	-	-	-	0.6
New Bedford, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Providence, RI	-	-	-	-	-	-	-	-	-	-	0.3	-	0.3	-	-	-	-	-	0.6
New London, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Haven, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bridgeport, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Long Island, NY	-	-	-	-	-	-	-	-	-	-	-	0.0	-	-	-	-	-	-	0.0
Mid-Atlantic Ports of New York/New Jersey	-	-	-	-	-	-	-	0.0	-	0.3	0.4	0.5	2.0	0.5	0.3	0.0	-	-	4.0
Mid-Atlantic Delaware Bay	-	-	-	-	-	-	-	-	-	-	0.0	-	-	0.3	4.7	-	-	-	5.0
Mid-Atlantic Chesapeake Bay	-	-	-	-	-	-	-	-	-	0.2	-	-	0.9	0.9	0.3	0.0	-	-	2.3
Baltimore, MD	-	-	-	-	-	-	-	-	-	0.2	-	-	0.3	0.3	-	-	-	-	0.8
Hampton Roads, VA	-	-	-	-	-	-	-	-	-	-	-	-	0.6	0.6	0.3	0.0	-	-	1.5
Mid-Atlantic Morehead City and Beaufort, NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Wilmington, NC	-	-	-	-	-	-	-	-	-	0.2	-	-	0.2	-	-	-	-	-	0.4
Mid-Atlantic Georgetown, SC	-	-	-	-	-	-	-	-	-	0.0	-	-	-	-	-	-	-	-	0.0
Mid-Atlantic Charleston, SC	-	-	-	-	-	-	-	0.0	-	0.0	-	-	-	-	-	-	-	-	0.0
Mid-Atlantic Savannah, GA	-	-	-	-	-	-	-	0.2	-	0.2	0.0	-	-	-	-	-	-	-	0.4
Southeastern US	-	-	-	-	-	-	-	-	0.1	0.1	0.0	0.0	-	-	-	-	-	-	0.3
Brunswick, GA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fernandina, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Jacksonville, FL	-	-	-	-	-	-	-	-	0.1	0.1	-	-	-	-	-	-	-	-	0.3
Port Canaveral, FL	-	-	-	-	-	-	-	-	-	-	0.0	0.0	-	-	-	-	-	-	0.0
Total	-	-	-	-	-	-	-	0.2	0.1	1.1	0.7	0.5	3.4	1.7	5.3	0.1	-	-	13.2

Source: Prepared by Nathan Associates Inc. based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports as described in text.

Table H-4. Combination Carriers: Estimated Economic Impact of ANPR on Foreign Flag Vessels 150 GRT and Above by Port Region, Port Area and Vessel DWT, 2003 (US\$ 000s)

ANPR Port Region and Port Area	DWT (000s)																		Total
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+	
Northeastern US - Gulf of Maine	-	-	-	-	-	-	-	0.0	0.0	-	0.0	-	-	-	0.0	0.3	-	-	0.4
Eastport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Searsport, ME	-	-	-	-	-	-	-	-	-	-	0.0	-	-	-	-	-	-	-	0.0
Portland, ME	-	-	-	-	-	-	-	0.0	0.0	-	-	-	-	-	0.0	0.3	-	-	0.3
Portsmouth, NH	-	-	-	-	-	-	-	0.0	-	-	0.0	-	-	-	-	-	-	-	0.0
Northeastern US - Off Race Point	-	-	-	-	-	-	-	0.0	-	-	-	-	-	-	-	-	-	-	0.0
Boston, MA	-	-	-	-	-	-	-	0.0	-	-	-	-	-	-	-	-	-	-	0.0
Salem, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Cape Cod Bay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Block Island Sound	-	-	-	-	-	-	-	0.0	-	0.0	-	-	0.0	0.0	0.0	-	-	-	0.0
New Bedford, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Providence, RI	-	-	-	-	-	-	-	0.0	-	-	-	-	0.0	-	-	-	-	-	0.0
New London, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Haven, CT	-	-	-	-	-	-	-	-	-	0.0	-	-	-	0.0	-	-	-	-	0.0
Bridgeport, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Long Island, NY	-	-	-	-	-	-	-	-	-	-	-	-	0.0	-	0.0	-	-	-	0.0
Mid-Atlantic Ports of New York/New Jersey	-	-	-	-	-	-	-	0.0	-	0.5	0.4	-	1.7	0.6	0.6	-	-	-	3.8
Mid-Atlantic Delaware Bay	-	-	-	-	-	-	-	-	-	0.0	-	-	-	-	1.9	0.0	-	-	2.0
Mid-Atlantic Chesapeake Bay	-	-	-	-	-	-	-	0.1	-	-	0.0	-	2.3	0.4	0.0	0.3	-	-	3.2
Baltimore, MD	-	-	-	-	-	-	-	0.1	-	-	0.0	-	0.6	0.0	-	-	-	-	0.7
Hampton Roads, VA	-	-	-	-	-	-	-	0.0	-	-	0.0	-	1.8	0.4	0.0	0.3	-	-	2.5
Mid-Atlantic Morehead City and Beaufort, NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Wilmington, NC	-	-	-	-	-	-	-	-	-	0.2	-	-	0.2	-	-	-	-	-	0.4
Mid-Atlantic Georgetown, SC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Charleston, SC	-	-	-	-	-	-	-	0.0	-	-	-	-	-	-	-	-	-	-	0.0
Mid-Atlantic Savannah, GA	-	-	-	-	-	-	-	0.1	-	0.5	-	-	-	-	-	-	-	-	0.7
Southeastern US	-	-	-	-	-	-	-	0.0	-	0.0	-	-	-	-	-	-	-	-	0.0
Brunswick, GA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fernandina, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Jacksonville, FL	-	-	-	-	-	-	-	0.0	-	0.0	-	-	-	-	-	-	-	-	0.0
Port Canaveral, FL	-	-	-	-	-	-	-	0.0	-	-	-	-	-	-	-	-	-	-	0.0
Total	-	-	-	-	-	-	-	0.3	0.0	1.3	0.5	-	4.2	0.9	2.6	0.7	-	-	10.5

Source: Prepared by Nathan Associates Inc. based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports as described in text.

Table H-5. Containerships: Estimated Economic Impact of ANPR on Foreign Flag Vessels 150 GRT and Above by Port Region, Port Area and Vessel DWT, 2002 (US\$ 000s)

ANPR Port Region and Port Area	DWT (000s)																		Total
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+	
Northeastern US - Gulf of Maine	-	0.0	0.1	0.1	0.2	-	0.3	0.1	0.3	0.8	-	1.6	-	-	-	-	-	-	3.4
Eastport, ME	-	0.0	-	-	-	-	-	0.1	0.3	-	-	-	-	-	-	-	-	-	0.4
Searsport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portland, ME	-	-	0.1	0.1	0.1	-	0.3	-	0.1	0.8	-	1.6	-	-	-	-	-	-	3.0
Portsmouth, NH	-	-	-	-	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0
Northeastern US - Off Race Point	-	1.4	-	0.7	1.0	1.1	0.2	14.5	13.3	8.6	18.0	0.9	-	-	-	-	-	-	59.8
Boston, MA	-	1.4	-	0.7	1.0	1.1	0.2	14.5	13.3	8.6	18.0	0.9	-	-	-	-	-	-	59.8
Salem, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Cape Cod Bay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Block Island Sound	-	-	-	0.7	-	1.0	-	-	-	0.1	-	-	-	-	-	-	-	-	1.7
New Bedford, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Providence, RI	-	-	-	0.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.7
New London, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Haven, CT	-	-	-	0.0	-	1.0	-	-	-	0.1	-	-	-	-	-	-	-	-	1.1
Bridgeport, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Long Island, NY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Ports of New York/New Jersey	0.3	1.8	31.9	22.2	30.6	40.8	83.7	60.0	136.3	197.3	280.6	277.3	-	-	-	-	-	-	1,163.0
Mid-Atlantic Delaware Bay	4.2	11.2	5.2	30.0	36.0	5.3	17.0	2.5	5.6	14.2	34.5	-	-	-	-	-	-	-	165.8
Mid-Atlantic Chesapeake Bay	0.3	3.6	7.9	16.9	50.9	41.0	109.1	57.4	159.5	133.6	375.4	215.5	-	-	-	-	-	-	1,171.0
Baltimore, MD	0.2	0.7	0.0	3.2	3.8	21.0	44.0	17.0	50.1	20.9	67.9	-	-	-	-	-	-	-	228.8
Hampton Roads, VA	0.1	2.9	7.9	13.7	47.1	20.0	65.1	40.4	109.3	112.6	307.5	215.5	-	-	-	-	-	-	942.1
Mid-Atlantic Morehead City and Beaufort, NC	0.0	-	-	-	0.0	-	-	-	1.1	-	-	-	-	-	-	-	-	-	1.1
Mid-Atlantic Wilmington, NC	0.0	-	0.1	-	0.9	1.1	-	3.7	9.9	7.8	-	19.8	-	-	-	-	-	-	43.3
Mid-Atlantic Georgetown, SC	0.0	-	-	-	-	-	-	-	-	1.4	-	0.1	-	-	-	-	-	-	1.5
Mid-Atlantic Charleston, SC	0.1	0.5	5.9	2.8	11.4	16.9	62.8	37.7	51.6	65.6	174.6	116.8	-	-	-	-	-	-	546.7
Mid-Atlantic Savannah, GA	1.2	1.0	0.6	11.0	14.7	22.0	30.7	15.5	72.9	98.4	96.3	132.4	-	-	-	-	-	-	496.9
Southeastern US	2.3	20.9	2.3	2.7	2.2	5.0	15.8	4.5	12.1	5.3	17.0	-	-	-	-	-	-	-	90.1
Brunswick, GA	0.1	-	-	0.5	0.5	-	-	2.5	3.9	-	0.1	-	-	-	-	-	-	-	7.6
Fernandina, FL	1.2	6.7	1.2	-	-	-	-	-	0.1	-	0.1	-	-	-	-	-	-	-	9.2
Jacksonville, FL	1.1	14.2	1.1	2.2	1.7	5.0	15.8	1.7	7.9	5.3	16.9	-	-	-	-	-	-	-	72.9
Port Canaveral, FL	-	-	-	-	-	-	-	0.2	0.3	-	-	-	-	-	-	-	-	-	0.5
Total	8.5	40.6	54.0	86.9	147.8	134.2	319.6	195.9	462.7	533.0	996.4	764.5	-	-	-	-	-	-	3,744.2

Source: Prepared by Nathan Associates Inc. based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports as described in text.

Table H-6. Containerships: Estimated Economic Impact of ANPR on Foreign Flag Vessels 150 GRT and Above by Port Region, Port Area and Vessel DWT, 2003 (US\$ 000s)

ANPR Port Region and Port Area	DWT (000s)																		Total
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+	
Northeastern US - Gulf of Maine	-	0.1	0.3	0.3	0.9	0.2	1.8	0.6	0.8	4.1	3.2	7.7	-	-	-	-	-	-	20.1
Eastport, ME	-	0.0	-	-	-	-	-	0.1	0.1	0.1	-	-	-	-	-	-	-	-	0.3
Searsport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portland, ME	-	0.0	0.3	0.3	0.8	0.2	1.5	0.3	0.5	3.6	2.7	6.2	-	-	-	-	-	-	16.4
Portsmouth, NH	-	0.0	-	0.0	0.1	-	0.3	0.3	0.2	0.5	0.5	1.5	-	-	-	-	-	-	3.4
Northeastern US - Off Race Point	-	2.0	-	0.1	0.5	0.4	0.2	0.5	12.2	5.5	14.3	-	-	-	-	-	-	-	35.5
Boston, MA	-	2.0	-	0.1	0.5	0.4	0.2	0.5	12.2	5.5	14.3	-	-	-	-	-	-	-	35.5
Salem, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Cape Cod Bay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Block Island Sound	0.0	0.4	-	-	-	-	-	0.0	-	0.1	-	-	-	-	-	-	-	-	0.5
New Bedford, MA	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0
Providence, RI	-	0.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.4
New London, CT	-	-	-	-	-	-	-	0.0	-	0.0	-	-	-	-	-	-	-	-	0.1
New Haven, CT	-	-	-	-	-	-	-	-	-	0.0	-	-	-	-	-	-	-	-	0.0
Bridgeport, CT	-	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0
Long Island, NY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Ports of New York/New Jersey	0.0	2.6	34.5	20.8	24.4	15.2	110.6	81.3	122.4	124.1	328.5	374.2	-	-	-	-	-	-	1,238.5
Mid-Atlantic Delaware Bay	2.5	20.3	4.1	25.4	29.7	1.9	16.8	8.6	11.0	17.3	71.0	0.1	-	-	-	-	-	-	208.7
Mid-Atlantic Chesapeake Bay	0.5	6.9	9.9	17.6	33.8	23.8	128.0	70.4	161.6	100.7	341.5	266.0	-	-	-	-	-	-	1,160.7
Baltimore, MD	0.4	2.1	0.0	2.0	3.2	10.1	45.9	13.5	47.3	22.2	54.1	0.1	-	-	-	-	-	-	201.0
Hampton Roads, VA	0.1	4.8	9.9	15.5	30.6	13.7	82.2	56.9	114.3	78.5	287.4	265.9	-	-	-	-	-	-	959.8
Mid-Atlantic Morehead City and Beaufort, NC	0.1	0.0	-	-	0.6	0.6	-	-	2.1	-	-	-	-	-	-	-	-	-	3.4
Mid-Atlantic Wilmington, NC	0.1	0.2	0.3	0.4	0.4	1.1	0.6	1.6	7.8	8.3	8.2	4.2	-	-	-	-	-	-	33.3
Mid-Atlantic Georgetown, SC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Charleston, SC	0.1	0.7	6.3	3.4	5.3	7.0	60.4	58.3	58.9	40.5	181.7	107.4	-	8.9	-	-	-	-	538.8
Mid-Atlantic Savannah, GA	1.1	1.3	2.2	11.1	12.1	9.5	33.0	37.6	69.6	85.3	185.4	190.4	-	8.6	-	-	-	-	647.2
Southeastern US	1.8	20.4	2.0	3.3	0.5	3.0	14.2	2.8	24.7	7.5	16.8	0.1	-	-	-	-	-	-	96.9
Brunswick, GA	0.0	-	-	-	0.5	0.6	-	2.4	7.3	-	-	0.1	-	-	-	-	-	-	10.9
Fernandina, FL	0.2	8.8	1.6	-	-	-	-	-	1.0	-	-	-	-	-	-	-	-	-	11.6
Jacksonville, FL	1.6	11.6	0.4	3.3	0.1	2.4	14.1	0.3	15.9	7.5	16.8	-	-	-	-	-	-	-	73.9
Port Canaveral, FL	0.0	0.0	0.0	-	-	-	0.1	0.1	0.4	-	-	-	-	-	-	-	-	-	0.6
Total	6.2	55.0	59.6	82.3	108.2	62.6	365.5	261.6	471.0	393.4	1,150.5	950.1	-	17.5	-	-	-	-	3,983.5

Source: Prepared by Nathan Associates Inc. based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports as described in text.

Table H-7. Freight Barges: Estimated Economic Impact of ANPR on Foreign Flag Vessels 150 GRT and Above by Port Region, Port Area and Vessel DWT, 2002 (US\$ 000s)

ANPR Port Region and Port Area	DWT (000s)																		Total
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+	
Northeastern US - Gulf of Maine	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Eastport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Searsport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portland, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portsmouth, NH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Off Race Point	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boston, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Salem, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Cape Cod Bay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Block Island Sound	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0
New Bedford, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Providence, RI	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0
New London, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Haven, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bridgeport, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Long Island, NY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Ports of New York/New Jersey	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Delaware Bay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Chesapeake Bay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Baltimore, MD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hampton Roads, VA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Morehead City and Beaufort, NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Wilmington, NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Georgetown, SC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Charleston, SC	-	-	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1
Mid-Atlantic Savannah, GA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Southeastern US	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Brunswick, GA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fernandina, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Jacksonville, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Port Canaveral, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	0.0	-	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1

Source: Prepared by Nathan Associates Inc. based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports as described in text.

Table H-8. Freight Barges: Estimated Economic Impact of ANPR on Foreign Flag Vessels 150 GRT and Above by Port Region, Port Area and Vessel DWT, 2003 (US\$ 000s)

ANPR Port Region and Port Area	DWT (000s)																		Total
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+	
Northeastern US - Gulf of Maine	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Eastport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Searsport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portland, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portsmouth, NH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Off Race Point	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boston, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Salem, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Cape Cod Bay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Block Island Sound	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Bedford, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Providence, RI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New London, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Haven, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bridgeport, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Long Island, NY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Ports of New York/New Jersey	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Delaware Bay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Chesapeake Bay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Baltimore, MD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hampton Roads, VA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Morehead City and Beaufort, NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Wilmington, NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Georgetown, SC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Charleston, SC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Savannah, GA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Southeastern US	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0
Brunswick, GA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fernandina, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Jacksonville, FL	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0
Port Canaveral, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0

Source: Prepared by Nathan Associates Inc. based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports as described in text.

Table H-9. General Cargo Vessels: Estimated Economic Impact of ANPR on Foreign Flag Vessels 150 GRT and Above by Port Region, Port Area and Vessel DWT, 2002 (US\$ 000s)

ANPR Port Region and Port Area	DWT (000s)																		Total
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+	
Northeastern US - Gulf of Maine	0.0	0.1	0.1	0.0	0.1	0.1	0.1	0.2	0.3	0.1	-	-	-	-	-	-	-	-	1.0
Eastport, ME	-	0.0	-	0.0	-	-	-	0.1	0.1	0.1	-	-	-	-	-	-	-	-	0.3
Searsport, ME	-	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0
Portland, ME	0.0	0.1	0.1	-	0.0	0.1	0.0	0.1	0.1	-	-	-	-	-	-	-	-	-	0.6
Portsmouth, NH	-	0.0	-	0.0	0.0	-	0.1	-	-	-	-	-	-	-	-	-	-	-	0.1
Northeastern US - Off Race Point	0.0	0.6	0.2	-	0.3	-	-	1.4	-	-	-	-	-	-	-	-	-	-	2.5
Boston, MA	0.0	0.6	0.2	-	0.3	-	-	1.4	-	-	-	-	-	-	-	-	-	-	2.5
Salem, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Cape Cod Bay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Block Island Sound	0.0	1.4	1.5	1.3	4.0	1.5	1.0	0.1	0.1	4.0	-	-	-	-	-	-	-	-	14.8
New Bedford, MA	0.0	0.3	0.9	-	1.7	-	-	-	-	-	-	-	-	-	-	-	-	-	2.9
Providence, RI	0.0	0.2	0.6	-	0.6	-	-	0.0	-	-	-	-	-	-	-	-	-	-	1.4
New London, CT	0.0	-	-	0.8	-	-	0.9	0.0	-	0.1	-	-	-	-	-	-	-	-	1.9
New Haven, CT	0.0	0.5	0.0	0.4	1.7	1.5	0.0	0.0	0.1	3.9	-	-	-	-	-	-	-	-	8.3
Bridgeport, CT	-	0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.3
Long Island, NY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Ports of New York/New Jersey	0.0	1.7	1.4	0.7	1.8	3.5	5.3	9.7	7.4	6.0	-	-	-	-	-	-	-	-	37.5
Mid-Atlantic Delaware Bay	0.0	7.5	9.0	10.2	4.3	7.6	2.7	7.8	2.9	5.6	-	-	-	-	-	-	-	-	57.7
Mid-Atlantic Chesapeake Bay	0.1	5.2	5.8	7.8	14.6	12.9	8.1	6.8	21.8	16.1	-	-	-	-	-	-	-	-	99.2
Baltimore, MD	0.0	2.0	2.8	7.4	12.9	4.7	0.9	-	14.4	12.6	-	-	-	-	-	-	-	-	57.6
Hampton Roads, VA	0.0	3.2	3.1	0.5	1.8	8.2	7.2	6.8	7.4	3.4	-	-	-	-	-	-	-	-	41.6
Mid-Atlantic Morehead City and Beaufort, NC	0.0	0.2	0.2	0.3	0.0	0.5	-	-	-	-	-	-	-	-	-	-	-	-	1.1
Mid-Atlantic Wilmington, NC	0.0	0.6	1.0	2.1	1.0	1.3	0.0	2.1	9.7	5.6	-	-	-	-	-	-	-	-	23.4
Mid-Atlantic Georgetown, SC	-	0.3	0.0	0.0	-	-	-	0.0	3.9	0.3	-	-	-	-	-	-	-	-	4.6
Mid-Atlantic Charleston, SC	0.0	0.7	0.8	1.9	1.3	1.6	1.7	10.2	18.9	1.8	-	-	-	-	-	-	-	-	38.8
Mid-Atlantic Savannah, GA	0.0	2.2	2.0	2.1	2.9	7.2	3.0	4.0	25.9	14.8	-	-	-	-	-	-	-	-	64.1
Southeastern US	0.2	5.1	2.8	2.6	0.8	1.0	0.6	12.4	27.7	14.7	-	-	-	-	-	-	-	-	68.0
Brunswick, GA	0.0	0.2	0.6	1.7	0.3	-	0.6	7.3	8.5	0.1	-	-	-	-	-	-	-	-	19.3
Fernandina, FL	0.0	1.1	0.7	0.0	-	-	-	2.6	3.5	2.7	-	-	-	-	-	-	-	-	10.7
Jacksonville, FL	0.1	3.7	1.3	0.8	0.4	1.0	0.0	2.4	15.2	12.0	-	-	-	-	-	-	-	-	36.9
Port Canaveral, FL	0.0	0.1	0.3	0.0	0.1	-	-	0.2	0.4	-	-	-	-	-	-	-	-	-	1.1
Total	0.4	25.5	24.9	29.1	31.0	37.1	22.6	54.7	118.4	68.9	-	-	-	-	-	-	-	-	412.6

Source: Prepared by Nathan Associates Inc. based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports as described in text.

Table H-10.2 General Cargo Vessels: Estimated Economic Impact of ANPR on Foreign Flag Vessels 150 GRT and Above by Port Region, Port Area and Vessel DWT, 2003 (US\$ 000s)

ANPR Port Region and Port Area	DWT (000s)																		Total
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+	
Northeastern US - Gulf of Maine	0.0	0.1	0.3	0.2	0.2	0.3	0.1	0.4	1.0	1.1	-	-	-	-	-	-	-	-	3.8
Eastport, ME	-	0.0	0.1	0.1	-	-	-	-	0.3	0.3	-	-	-	-	-	-	-	-	0.7
Searsport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portland, ME	0.0	0.1	0.3	0.1	0.2	0.2	0.1	0.3	0.7	0.9	-	-	-	-	-	-	-	-	2.8
Portsmouth, NH	0.0	0.0	-	0.0	-	0.1	-	0.1	0.1	-	-	-	-	-	-	-	-	-	0.3
Northeastern US - Off Race Point	0.0	0.1	0.3	-	-	0.1	-	-	0.3	-	-	-	-	-	-	-	-	-	0.8
Boston, MA	0.0	0.1	0.3	-	-	0.1	-	-	0.3	-	-	-	-	-	-	-	-	-	0.8
Salem, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Cape Cod Bay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Block Island Sound	0.0	0.9	3.5	0.4	1.8	0.8	0.0	2.4	3.0	5.8	-	-	-	-	-	-	-	-	18.7
New Bedford, MA	0.0	0.5	0.6	-	0.6	0.0	-	-	-	-	-	-	-	-	-	-	-	-	1.7
Providence, RI	-	0.2	1.2	0.0	-	0.7	-	1.2	-	-	-	-	-	-	-	-	-	-	3.3
New London, CT	-	-	0.0	-	-	0.0	0.0	1.2	1.5	1.9	-	-	-	-	-	-	-	-	4.7
New Haven, CT	-	-	1.7	0.4	1.2	0.0	0.0	-	1.5	3.9	-	-	-	-	-	-	-	-	8.8
Bridgeport, CT	-	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.2
Long Island, NY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Ports of New York/New Jersey	0.0	1.2	0.3	0.4	1.0	1.9	3.0	0.9	2.4	0.1	-	-	-	-	-	-	-	-	11.2
Mid-Atlantic Delaware Bay	0.0	5.9	7.3	8.6	1.1	3.5	6.2	2.3	1.5	3.5	-	-	-	-	-	-	-	-	39.9
Mid-Atlantic Chesapeake Bay	0.0	4.3	5.0	8.2	14.9	6.1	8.0	5.8	5.0	13.0	-	-	-	-	-	-	-	-	70.5
Baltimore, MD	0.0	2.2	2.0	6.3	14.3	1.4	0.9	3.4	2.0	12.8	-	-	-	-	-	-	-	-	45.4
Hampton Roads, VA	0.0	2.1	3.0	1.9	0.7	4.7	7.1	2.4	2.9	0.1	-	-	-	-	-	-	-	-	25.0
Mid-Atlantic Morehead City and Beaufort, NC	0.0	0.2	-	0.5	0.4	2.0	-	0.7	0.1	-	-	-	-	-	-	-	-	-	4.0
Mid-Atlantic Wilmington, NC	0.0	0.7	0.5	1.5	1.0	0.5	1.6	2.2	9.3	4.6	-	-	-	-	-	-	-	-	21.8
Mid-Atlantic Georgetown, SC	-	-	-	-	-	-	-	-	-	0.1	-	-	-	-	-	-	-	-	0.1
Mid-Atlantic Charleston, SC	0.0	0.6	0.3	0.9	0.8	1.9	2.6	2.7	11.8	6.1	-	-	-	-	-	-	-	-	27.6
Mid-Atlantic Savannah, GA	0.0	2.8	3.0	3.4	1.6	1.1	3.3	2.0	12.7	15.1	-	-	-	-	-	-	-	-	45.0
Southeastern US	0.1	4.4	3.2	1.3	2.1	0.2	2.1	7.3	20.2	11.3	-	-	-	-	-	-	-	-	52.0
Brunswick, GA	0.0	0.2	0.9	0.6	0.3	0.1	0.6	3.0	7.7	-	-	-	-	-	-	-	-	-	13.4
Fernandina, FL	0.0	0.6	1.2	0.6	-	-	-	1.7	3.4	4.2	-	-	-	-	-	-	-	-	11.7
Jacksonville, FL	0.1	3.5	0.9	0.0	1.7	0.0	1.4	2.5	8.6	6.8	-	-	-	-	-	-	-	-	25.6
Port Canaveral, FL	0.0	0.1	0.2	0.1	-	0.0	0.1	0.1	0.5	0.2	-	-	-	-	-	-	-	-	1.4
Total	0.3	21.2	23.6	25.4	24.8	18.3	26.8	26.8	67.2	60.7	-	-	-	-	-	-	-	-	295.0

Source: Prepared by Nathan Associates Inc. based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports as described in text.

Table H-11. Passenger Vessels: Estimated Economic Impact of ANPR on Foreign Flag Vessels 150 GRT and Above by Port Region, Port Area and Vessel DWT, 2002 (US\$ 000s)

ANPR Port Region and Port Area	DWT (000s)																		Total
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+	
Northeastern US - Gulf of Maine	1.6	5.7	2.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9.5
Eastport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Searsport, ME	1.4	3.6	1.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.4
Portland, ME	0.2	2.1	0.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.2
Portsmouth, NH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Off Race Point	7.6	39.8	6.1	-	1.9	-	-	-	-	-	-	-	-	-	-	-	-	-	55.6
Boston, MA	7.6	39.8	6.1	-	1.9	-	-	-	-	-	-	-	-	-	-	-	-	-	55.6
Salem, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Cape Cod Bay	0.0	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1
Mid-Atlantic Block Island Sound	23.6	43.4	4.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	71.8
New Bedford, MA	-	17.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17.5
Providence, RI	22.1	23.1	4.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	49.9
New London, CT	-	2.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.8
New Haven, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bridgeport, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Long Island, NY	1.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.6
Mid-Atlantic Ports of New York/New Jersey	47.1	100.1	19.8	-	8.2	-	-	-	-	-	-	-	-	-	-	-	-	-	175.1
Mid-Atlantic Delaware Bay	4.5	2.8	-	-	9.6	-	-	-	-	-	-	-	-	-	-	-	-	-	16.9
Mid-Atlantic Chesapeake Bay	3.5	31.8	-	-	1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	36.7
Baltimore, MD	1.7	25.6	-	-	0.7	-	-	-	-	-	-	-	-	-	-	-	-	-	28.0
Hampton Roads, VA	1.8	6.2	-	-	0.7	-	-	-	-	-	-	-	-	-	-	-	-	-	8.7
Mid-Atlantic Morehead City and Beaufort, NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Wilmington, NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Georgetown, SC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Charleston, SC	5.7	14.6	-	3.4	4.9	-	-	-	-	-	-	-	-	-	-	-	-	-	28.6
Mid-Atlantic Savannah, GA	0.9	-	-	-	5.5	-	-	-	-	-	-	-	-	-	-	-	-	-	6.5
Southeastern US	0.8	21.2	26.5	14.6	0.7	-	-	-	-	-	-	-	-	-	-	-	-	-	63.8
Brunswick, GA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fernandina, FL	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1
Jacksonville, FL	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1
Port Canaveral, FL	0.6	21.2	26.5	14.6	0.7	-	-	-	-	-	-	-	-	-	-	-	-	-	63.7
Total	95.4	259.5	59.3	18.0	32.4	-	-	-	-	-	-	-	-	-	-	-	-	-	464.5

Source: Prepared by Nathan Associates Inc. based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports as described in text.

Table H-12. Passenger Vessels: Estimated Economic Impact of ANPR on Foreign Flag Vessels 150 GRT and Above by Port Region, Port Area and Vessel DWT, 2003 (US\$ 000s)

ANPR Port Region and Port Area	DWT (000s)																	Total	
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150		150+
Northeastern US - Gulf of Maine	0.9	8.7	1.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11.1
Eastport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Searsport, ME	0.6	7.2	0.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.4
Portland, ME	0.4	1.6	0.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.8
Portsmouth, NH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Off Race Point	5.3	17.3	0.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	23.5
Boston, MA	3.7	17.3	0.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21.9
Salem, MA	1.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.6
Northeastern US - Cape Cod Bay	0.0	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1
Mid-Atlantic Block Island Sound	9.5	51.4	4.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	65.8
New Bedford, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Providence, RI	9.5	51.4	4.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	65.8
New London, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Haven, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bridgeport, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Long Island, NY	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0
Mid-Atlantic Ports of New York/New Jersey	29.3	102.6	85.5	7.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	225.3
Mid-Atlantic Delaware Bay	10.4	19.2	8.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	38.3
Mid-Atlantic Chesapeake Bay	0.5	37.7	9.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	48.0
Baltimore, MD	0.3	33.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	34.0
Hampton Roads, VA	0.2	4.0	9.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.0
Mid-Atlantic Morehead City and Beaufort, NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Wilmington, NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Georgetown, SC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Charleston, SC	2.3	26.9	4.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	33.7
Mid-Atlantic Savannah, GA	1.7	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.9
Southeastern US	5.7	27.4	32.0	7.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	72.5
Brunswick, GA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fernandina, FL	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1
Jacksonville, FL	0.1	4.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.2
Port Canaveral, FL	5.6	23.2	32.0	7.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	68.2
Total	65.8	291.5	147.6	15.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	520.3

Source: Prepared by Nathan Associates Inc. based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports as described in text.

Table H-13. Refrigerated Cargo Vessels: Estimated Economic Impact of ANPR on Foreign Flag Vessels 150 GRT and Above by Port Region, Port Area and Vessel DWT, 2002 (US\$ 000s)

ANPR Port Region and Port Area	DWT (000s)																		Total
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+	
Northeastern US - Gulf of Maine	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Eastport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Searsport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portland, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portsmouth, NH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Off Race Point	-	1.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.0
Boston, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Salem, MA	-	1.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.0
Northeastern US - Cape Cod Bay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Block Island Sound	-	7.8	26.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	34.0
New Bedford, MA	-	7.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.7
Providence, RI	-	0.0	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0
New London, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Haven, CT	-	-	1.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.2
Bridgeport, CT	-	0.1	25.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	25.1
Long Island, NY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Ports of New York/New Jersey	-	0.7	9.0	-	-	0.1	-	-	-	-	0.3	-	-	-	-	-	-	-	10.1
Mid-Atlantic Delaware Bay	1.3	48.0	45.1	29.2	6.9	6.1	62.2	-	-	-	4.6	-	-	-	-	-	-	-	203.4
Mid-Atlantic Chesapeake Bay	-	3.2	3.6	-	-	4.2	-	-	-	-	-	-	-	-	-	-	-	-	11.0
Baltimore, MD	-	2.4	3.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.9
Hampton Roads, VA	-	0.8	0.1	-	-	4.2	-	-	-	-	-	-	-	-	-	-	-	-	5.1
Mid-Atlantic Morehead City and Beaufort, NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Wilmington, NC	-	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0
Mid-Atlantic Georgetown, SC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Charleston, SC	-	0.8	0.5	0.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.0
Mid-Atlantic Savannah, GA	-	-	-	-	-	3.7	-	-	-	-	2.4	-	-	-	-	-	-	-	6.1
Southeastern US	-	2.5	8.7	2.9	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	14.2
Brunswick, GA	-	-	0.8	2.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.7
Fernandina, FL	-	-	7.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.6
Jacksonville, FL	-	1.4	0.1	-	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	1.6
Port Canaveral, FL	-	1.1	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.3
Total	1.3	64.1	93.1	32.8	7.0	14.2	62.2	-	-	-	7.3	-	-	-	-	-	-	-	281.9

Source: Prepared by Nathan Associates Inc. based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports as described in text.

Table H-14. Refrigerated Cargo Vessels: Estimated Economic Impact of ANPR on Foreign Flag Vessels 150 GRT and Above by Port Region, Port Area and Vessel DWT, 2003 (US\$ 000s)

ANPR Port Region and Port Area	DWT (000s)																		Total
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+	
Northeastern US - Gulf of Maine	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Eastport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Searsport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portland, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portsmouth, NH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Off Race Point	-	1.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.3
Boston, MA	-	1.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.3
Salem, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Cape Cod Bay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Block Island Sound	-	5.4	23.6	0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	29.3
New Bedford, MA	-	3.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.5
Providence, RI	-	1.7	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.7
New London, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Haven, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bridgeport, CT	-	0.2	23.6	0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24.1
Long Island, NY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Ports of New York/New Jersey	-	-	3.1	-	-	3.8	-	-	-	-	4.2	-	-	-	-	-	-	-	11.0
Mid-Atlantic Delaware Bay	0.7	47.5	131.0	32.2	3.5	-	55.2	-	-	-	21.4	-	-	-	-	-	-	-	291.4
Mid-Atlantic Chesapeake Bay	-	0.1	4.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.6
Baltimore, MD	-	0.1	3.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.5
Hampton Roads, VA	-	-	1.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.1
Mid-Atlantic Morehead City and Beaufort, NC	0.1	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.2
Mid-Atlantic Wilmington, NC	-	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.5
Mid-Atlantic Georgetown, SC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Charleston, SC	-	0.9	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.4
Mid-Atlantic Savannah, GA	-	-	-	-	-	-	-	-	-	-	12.5	-	-	-	-	-	-	-	12.5
Southeastern US	-	3.2	15.5	0.3	0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	19.3
Brunswick, GA	-	0.5	3.8	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.4
Fernandina, FL	-	0.1	10.6	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11.0
Jacksonville, FL	-	1.3	0.9	-	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	2.3
Port Canaveral, FL	-	1.3	0.2	-	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	1.6
Total	0.8	59.0	178.2	32.8	3.8	3.8	55.2	-	-	-	38.1	-	-	-	-	-	-	-	371.5

Source: Prepared by Nathan Associates Inc. based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports as described in text.

Table H-15. Ro-Ro Vessels: Estimated Economic Impact of ANPR on Foreign Flag Vessels 150 GRT and Above by Port Region, Port Area and Vessel DWT, 2002 (US\$ 000s)

ANPR Port Region and Port Area	DWT (000s)																		Total
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+	
Northeastern US - Gulf of Maine	0.1	0.2	1.0	0.5	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	1.9
Eastport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Searsport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portland, ME	0.1	0.2	1.0	0.5	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	1.9
Portsmouth, NH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Off Race Point	2.2	-	5.0	6.5	2.4	-	-	-	-	0.3	-	-	-	-	-	-	-	-	16.4
Boston, MA	2.2	-	5.0	6.4	2.4	-	-	-	-	0.3	-	-	-	-	-	-	-	-	16.3
Salem, MA	-	-	-	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1
Northeastern US - Cape Cod Bay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Block Island Sound	0.2	0.0	1.9	5.3	1.8	-	-	-	-	1.8	-	-	-	-	-	-	-	-	11.1
New Bedford, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Providence, RI	-	0.0	1.9	3.9	1.8	-	-	-	-	1.8	-	-	-	-	-	-	-	-	9.3
New London, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Haven, CT	-	-	-	0.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.7
Bridgeport, CT	0.2	-	-	0.8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.0
Long Island, NY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Ports of New York/New Jersey	1.0	5.6	47.7	39.0	22.5	20.1	4.2	4.7	27.9	3.0	63.4	0.1	-	-	-	-	-	-	239.1
Mid-Atlantic Delaware Bay	1.2	0.8	13.1	25.6	8.6	-	-	-	-	-	-	-	-	-	-	-	-	-	49.3
Mid-Atlantic Chesapeake Bay	0.3	0.5	53.6	50.6	38.0	19.3	13.2	16.1	34.0	3.6	95.1	-	0.1	-	-	-	-	-	324.4
Baltimore, MD	0.1	0.4	45.9	45.5	30.2	16.3	9.6	10.7	15.7	3.5	46.6	-	-	-	-	-	-	-	224.6
Hampton Roads, VA	0.2	0.1	7.7	5.0	7.8	2.9	3.6	5.3	18.3	0.1	48.4	-	0.1	-	-	-	-	-	99.7
Mid-Atlantic Morehead City and Beaufort, NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Wilmington, NC	0.1	0.2	0.7	0.4	-	-	-	-	6.9	-	-	-	-	-	-	-	-	-	8.3
Mid-Atlantic Georgetown, SC	-	-	-	0.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.6
Mid-Atlantic Charleston, SC	-	0.2	12.3	8.3	1.7	15.6	-	0.6	-	0.8	7.1	-	-	-	-	-	-	-	46.6
Mid-Atlantic Savannah, GA	0.3	0.3	4.2	4.3	8.6	4.1	11.0	6.4	13.6	3.2	1.2	-	-	-	-	-	-	-	57.3
Southeastern US	0.3	0.3	49.9	40.8	17.5	22.1	0.2	1.3	0.1	0.1	1.5	-	-	-	-	-	-	-	134.1
Brunswick, GA	-	0.2	20.1	19.0	6.4	11.5	0.0	0.1	0.1	0.1	-	-	-	-	-	-	-	-	57.5
Fernandina, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Jacksonville, FL	0.3	-	29.7	21.8	11.1	10.5	0.1	1.2	-	0.1	1.5	-	-	-	-	-	-	-	76.3
Port Canaveral, FL	-	0.1	0.1	-	-	0.1	-	-	-	-	-	-	-	-	-	-	-	-	0.3
Total	5.8	8.2	189.3	182.0	101.0	81.2	28.6	29.2	82.4	12.9	168.2	0.1	0.1	-	-	-	-	-	889.0

Source: Prepared by Nathan Associates Inc. based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports as described in text.

Table H-16. Ro-Ro Vessels: Estimated Economic Impact of ANPR on Foreign Flag Vessels 150 GRT and Above by Port Region, Port Area and Vessel DWT, 2003 (US\$ 000s)

ANPR Port Region and Port Area	DWT (000s)																		Total
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+	
Northeastern US - Gulf of Maine	0.3	0.6	2.2	2.2	0.2	0.2	-	-	0.3	-	0.6	-	-	-	-	-	-	-	6.6
Eastport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Searsport, ME	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0
Portland, ME	0.3	0.6	2.2	2.2	0.2	0.2	-	-	0.3	-	0.1	-	-	-	-	-	-	-	6.0
Portsmouth, NH	-	-	-	-	-	-	-	-	-	-	0.5	-	-	-	-	-	-	-	0.5
Northeastern US - Off Race Point	1.2	-	0.2	0.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.0
Boston, MA	1.2	-	0.2	0.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.0
Salem, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Cape Cod Bay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Block Island Sound	-	0.0	11.5	7.0	0.9	-	-	-	-	-	-	-	-	-	-	-	-	-	19.4
New Bedford, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Providence, RI	-	0.0	11.5	7.0	0.9	-	-	-	-	-	-	-	-	-	-	-	-	-	19.4
New London, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Haven, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bridgeport, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Long Island, NY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Ports of New York/New Jersey	0.8	5.7	36.8	54.6	18.6	17.5	2.9	4.7	34.5	1.7	71.2	-	-	-	-	-	-	-	248.9
Mid-Atlantic Delaware Bay	0.8	0.4	13.3	26.3	5.1	-	-	-	-	-	-	-	-	-	-	-	-	-	45.9
Mid-Atlantic Chesapeake Bay	0.6	0.4	64.1	68.9	29.7	23.9	4.6	12.2	44.1	2.1	74.6	-	0.1	-	-	-	-	-	325.3
Baltimore, MD	0.4	-	61.6	61.8	22.6	20.0	3.4	8.1	30.2	2.0	40.0	-	-	-	-	-	-	-	250.2
Hampton Roads, VA	0.1	0.4	2.5	7.2	7.0	3.9	1.2	4.1	13.9	0.1	34.6	-	0.1	-	-	-	-	-	75.1
Mid-Atlantic Morehead City and Beaufort, NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Wilmington, NC	0.0	-	-	0.4	0.0	-	-	-	5.0	-	1.2	-	-	-	-	-	-	-	6.6
Mid-Atlantic Georgetown, SC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Charleston, SC	0.0	0.4	7.7	15.1	4.1	7.8	-	1.8	5.1	-	4.2	-	-	-	-	-	-	-	46.2
Mid-Atlantic Savannah, GA	0.5	0.5	3.7	5.5	7.2	3.6	1.9	7.2	13.9	0.3	0.1	-	-	-	-	-	-	-	44.6
Southeastern US	0.6	0.1	52.8	49.6	18.9	12.6	0.1	0.0	4.2	0.1	0.1	-	-	-	-	-	-	-	139.1
Brunswick, GA	-	-	21.5	18.0	5.4	9.6	0.0	-	3.1	-	-	-	-	-	-	-	-	-	57.6
Fernandina, FL	-	-	-	-	-	-	-	-	-	-	0.1	-	-	-	-	-	-	-	0.1
Jacksonville, FL	0.5	0.0	30.7	31.6	13.5	2.9	0.1	0.0	1.1	0.1	-	-	-	-	-	-	-	-	80.7
Port Canaveral, FL	0.0	0.0	0.6	0.0	-	0.1	-	-	-	-	-	-	-	-	-	-	-	-	0.8
Total	4.7	8.0	192.4	230.3	84.7	65.6	9.5	26.0	107.1	4.2	151.9	-	0.1	-	-	-	-	-	884.6

Source: Prepared by Nathan Associates Inc. based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports as described in text.

Table H-17. Tank Barges: Estimated Economic Impact of ANPR on Foreign Flag Vessels 150 GRT and Above by Port Region, Port Area and Vessel DWT, 2002 (US\$ 000s)

ANPR Port Region and Port Area	DWT (000s)																		Total
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+	
Northeastern US - Gulf of Maine	-	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0
Eastport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Searsport, ME	-	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0
Portland, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portsmouth, NH	-	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0
Northeastern US - Off Race Point	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boston, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Salem, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Cape Cod Bay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Block Island Sound	-	1.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.4
New Bedford, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Providence, RI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New London, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Haven, CT	-	0.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.9
Bridgeport, CT	-	0.5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.5
Long Island, NY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Ports of New York/New Jersey	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Delaware Bay	-	-	-	-	-	-	0.3	-	-	-	-	-	-	-	-	-	-	-	0.3
Mid-Atlantic Chesapeake Bay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Baltimore, MD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hampton Roads, VA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Morehead City and Beaufort, NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Wilmington, NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Georgetown, SC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Charleston, SC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Savannah, GA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Southeastern US	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Brunswick, GA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fernandina, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Jacksonville, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Port Canaveral, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	1.4	-	-	-	-	0.3	-	-	-	-	-	-	-	-	-	-	-	0 1.7

Source: Prepared by Nathan Associates Inc. based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports as described in text.

Table H-18. Tank Barges: Estimated Economic Impact of ANPR on Foreign Flag Vessels 150 GRT and Above by Port Region, Port Area and Vessel DWT, 2003 (US\$ 000s)

ANPR Port Region and Port Area	DWT (000s)																		Total
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+	
Northeastern US - Gulf of Maine	-	-	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0
Eastport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Searsport, ME	-	-	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0
Portland, ME	-	-	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0
Portsmouth, NH	-	-	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0
Northeastern US - Off Race Point	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boston, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Salem, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Cape Cod Bay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Block Island Sound	-	-	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0
New Bedford, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Providence, RI	-	-	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0
New London, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Haven, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bridgeport, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Long Island, NY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Ports of New York/New Jersey	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Delaware Bay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Chesapeake Bay	-	-	1.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.2
Baltimore, MD	-	-	0.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.3
Hampton Roads, VA	-	-	0.9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.9
Mid-Atlantic Morehead City and Beaufort, NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Wilmington, NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Georgetown, SC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Charleston, SC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Savannah, GA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Southeastern US	-	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0
Brunswick, GA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fernandina, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Jacksonville, FL	-	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0
Port Canaveral, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	0.0	1.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.3

Source: Prepared by Nathan Associates Inc. based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports as described in text.

Table H-19. Tankers: Estimated Economic Impact of ANPR on Foreign Flag Vessels 150 GRT and Above by Port Region, Port Area and Vessel DWT, 2002 (US\$ 000s)

ANPR Port Region and Port Area	DWT (000s)																		Total
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+	
Northeastern US - Gulf of Maine	-	0.2	0.7	0.1	0.0	0.2	1.0	1.1	0.4	0.5	0.2	0.0	-	-	2.5	2.4	0.2	0.0	9.6
Eastport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Searsport, ME	-	0.1	0.3	-	-	0.1	0.4	0.2	0.1	0.0	0.1	-	-	-	-	-	-	-	1.2
Portland, ME	-	0.0	0.3	0.0	0.0	0.1	0.5	0.3	0.2	0.3	0.1	0.0	-	-	2.5	2.4	0.2	0.0	7.0
Portsmouth, NH	-	0.1	0.1	0.1	0.0	0.0	0.1	0.6	0.1	0.2	0.0	-	-	-	-	-	-	-	1.4
Northeastern US - Off Race Point	-	0.1	0.9	0.4	-	2.0	4.1	11.8	6.9	4.1	2.9	4.1	0.1	-	-	-	-	0.5	37.9
Boston, MA	-	0.1	0.9	0.4	-	2.0	4.1	11.8	6.9	4.1	2.9	4.1	0.1	-	-	-	-	0.5	37.9
Salem, MA	-	-	-	-	-	-	-	-	-	0.1	-	-	-	-	-	-	-	-	0.1
Northeastern US - Cape Cod Bay	-	-	-	-	-	-	-	0.0	-	-	0.0	0.6	-	-	-	-	-	-	0.6
Mid-Atlantic Block Island Sound	-	0.2	1.3	0.0	0.3	2.3	1.7	5.1	2.0	6.5	1.2	3.4	0.0	0.0	2.5	-	3.6	0.7	31.1
New Bedford, MA	-	-	0.3	0.0	0.3	-	0.0	0.0	-	-	-	-	-	-	-	-	-	-	0.6
Providence, RI	-	0.2	1.1	0.0	-	1.3	1.0	1.4	0.4	0.8	0.4	0.4	-	-	-	-	-	-	7.1
New London, CT	-	-	-	-	-	-	-	-	-	0.0	-	-	-	-	-	-	-	-	0.0
New Haven, CT	-	0.0	-	0.0	-	1.0	0.7	3.3	1.6	4.9	0.0	-	-	-	-	-	-	-	11.5
Bridgeport, CT	-	-	-	-	-	-	-	0.4	0.0	0.0	0.0	0.0	-	-	-	-	-	-	0.4
Long Island, NY	-	-	-	-	-	0.0	-	0.0	-	0.7	0.8	3.0	0.0	0.0	2.5	-	3.6	0.7	11.5
Mid-Atlantic Ports of New York/New Jersey	0.4	1.0	7.7	2.6	3.2	8.3	6.0	17.8	17.4	21.2	6.6	17.5	7.0	4.1	25.8	3.9	5.3	0.7	156.6
Mid-Atlantic Delaware Bay	0.2	1.4	6.2	6.4	3.1	3.3	3.1	4.6	4.7	5.6	1.5	11.4	1.7	7.8	34.2	17.2	40.7	33.2	186.3
Mid-Atlantic Chesapeake Bay	0.0	2.6	2.8	3.5	1.7	3.1	1.7	2.0	1.8	5.0	0.8	7.7	5.7	2.1	3.6	3.9	0.5	0.7	49.2
Baltimore, MD	-	1.7	1.5	0.6	1.1	1.6	1.6	0.7	1.0	4.3	0.4	3.0	1.2	-	0.5	-	-	-	19.2
Hampton Roads, VA	0.0	0.9	1.3	3.0	0.6	1.5	0.1	1.3	0.7	0.8	0.4	4.7	4.5	2.1	3.2	3.9	0.5	0.7	30.0
Mid-Atlantic Morehead City and Beaufort, NC	-	-	0.2	0.0	0.0	0.5	0.0	-	-	-	-	-	-	-	-	-	-	-	0.7
Mid-Atlantic Wilmington, NC	0.0	0.7	2.4	2.0	0.6	2.2	1.7	0.9	0.7	3.7	1.1	1.2	-	-	-	-	-	-	17.2
Mid-Atlantic Georgetown, SC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Charleston, SC	-	0.0	0.6	0.5	0.3	0.0	0.3	1.0	2.3	5.8	1.3	1.1	-	-	-	-	-	-	13.3
Mid-Atlantic Savannah, GA	0.1	0.3	2.4	3.1	1.3	2.4	1.4	3.4	2.7	1.6	2.0	4.0	0.9	-	-	-	-	-	25.5
Southeastern US	0.1	0.1	0.9	0.7	0.3	0.9	0.7	2.9	2.6	7.1	1.4	0.9	0.0	0.0	0.0	-	-	-	18.8
Brunswick, GA	-	0.1	-	-	0.0	-	0.2	-	-	-	-	-	-	-	-	-	-	-	0.3
Fernandina, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Jacksonville, FL	0.1	0.0	0.9	0.7	0.3	0.9	0.5	2.8	2.5	7.0	1.4	0.8	0.0	-	0.0	-	-	-	18.0
Port Canaveral, FL	-	-	-	0.0	-	0.0	-	0.1	0.0	0.1	-	0.1	0.0	0.0	0.0	-	-	-	0.5
Total	0.8	6.6	26.2	19.4	10.9	25.2	21.8	50.7	41.4	61.2	19.0	52.1	15.5	14.0	68.6	27.4	50.4	35.9	546.8

Source: Prepared by Nathan Associates Inc. based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports as described in text.

Table H-20. Tankers: Estimated Economic Impact of ANPR on Foreign Flag Vessels 150 GRT and Above by Port Region, Port Area and Vessel DWT, 2003 (US\$ 000s)

ANPR Port Region and Port Area	DWT (000s)																		Total
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+	
Northeastern US - Gulf of Maine	0.0	0.2	1.0	0.1	0.1	0.3	0.9	1.1	1.0	0.9	0.4	0.1	0.0	-	1.5	3.0	0.4	0.5	11.5
Eastport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Searsport, ME	-	0.0	0.4	-	-	0.1	0.3	0.2	0.1	0.0	0.1	0.0	-	-	-	0.0	-	-	1.2
Portland, ME	0.0	0.0	0.5	0.1	0.0	0.1	0.6	0.4	0.6	0.5	0.1	0.0	0.0	-	1.5	2.9	0.4	0.5	8.3
Portsmouth, NH	0.0	0.1	0.1	0.0	0.1	0.1	0.0	0.5	0.3	0.4	0.2	0.0	-	-	-	-	-	-	1.9
Northeastern US - Off Race Point	-	-	1.0	0.1	0.1	1.4	0.7	9.7	6.2	2.2	0.1	2.1	0.2	-	-	-	-	5.2	28.8
Boston, MA	-	-	1.0	0.1	0.1	1.4	0.7	9.7	6.2	2.2	0.1	2.0	0.2	-	-	-	-	5.2	28.8
Salem, MA	-	-	-	-	-	-	-	-	-	-	-	0.1	-	-	-	-	-	-	0.1
Northeastern US - Cape Cod Bay	-	-	-	-	-	-	-	-	-	0.0	0.6	2.4	0.6	-	-	-	-	-	3.6
Mid-Atlantic Block Island Sound	-	0.3	1.1	0.0	0.0	2.2	0.4	10.5	11.0	6.6	1.6	6.7	1.7	0.0	4.9	1.6	5.9	2.0	56.4
New Bedford, MA	-	0.0	0.8	-	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	0.8
Providence, RI	-	0.2	0.0	0.0	0.0	0.6	0.0	3.5	3.4	1.9	0.4	1.2	0.4	-	0.0	-	-	-	11.8
New London, CT	-	0.0	-	-	-	-	-	-	-	0.4	-	-	-	-	-	-	-	-	0.4
New Haven, CT	-	-	0.3	-	-	1.6	0.3	6.7	7.6	3.1	0.4	0.0	-	-	0.5	-	-	-	20.5
Bridgeport, CT	-	-	-	-	-	-	-	0.4	0.0	0.4	0.0	0.4	-	-	0.0	-	0.6	0.0	1.8
Long Island, NY	-	-	0.0	-	-	-	-	-	0.0	0.7	0.8	5.0	1.3	0.0	4.4	1.6	5.3	2.0	21.2
Mid-Atlantic Ports of New York/New Jersey	0.0	2.3	4.6	2.9	3.2	7.7	5.3	22.1	21.2	34.2	7.0	28.4	11.5	2.7	25.8	8.7	5.3	2.2	195.2
Mid-Atlantic Delaware Bay	-	0.7	2.3	3.8	3.1	2.3	4.4	8.4	3.4	8.1	1.4	9.6	0.8	4.3	34.5	22.9	39.5	39.3	189.1
Mid-Atlantic Chesapeake Bay	0.0	2.2	2.8	2.4	1.4	2.9	1.6	1.6	2.8	12.9	0.8	11.4	9.4	0.9	3.6	0.6	1.8	8.6	67.6
Baltimore, MD	0.0	0.9	1.5	1.1	0.6	0.9	0.9	0.6	1.4	7.4	0.8	4.5	4.9	-	1.3	0.5	-	4.3	31.7
Hampton Roads, VA	0.0	1.3	1.2	1.3	0.9	2.0	0.7	1.0	1.3	5.5	0.1	6.9	4.4	0.9	2.3	0.1	1.8	4.3	35.9
Mid-Atlantic Morehead City and Beaufort, NC	-	-	0.0	0.4	0.0	1.9	0.4	0.2	-	0.0	-	0.3	-	-	-	-	-	-	3.2
Mid-Atlantic Wilmington, NC	-	-	2.6	1.0	0.7	1.3	1.4	2.3	1.4	4.4	0.7	1.6	-	0.0	-	-	-	-	17.3
Mid-Atlantic Georgetown, SC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Charleston, SC	-	0.1	0.7	0.0	-	0.7	0.2	0.8	2.4	7.2	0.6	3.0	-	0.2	-	-	-	-	15.9
Mid-Atlantic Savannah, GA	-	0.5	1.5	2.9	1.2	1.3	1.0	4.9	2.9	2.3	0.9	5.3	0.6	-	0.0	-	-	-	25.3
Southeastern US	0.8	0.0	0.1	0.4	0.3	0.9	0.6	4.7	4.9	5.5	0.4	2.0	0.0	0.0	-	0.4	-	-	21.0
Brunswick, GA	-	-	-	-	-	0.2	0.6	-	-	-	-	0.0	-	-	-	-	-	-	0.8
Fernandina, FL	-	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0
Jacksonville, FL	0.8	0.0	0.0	0.4	0.3	0.7	-	4.6	4.9	5.4	0.4	1.9	0.0	0.0	-	0.3	-	-	19.9
Port Canaveral, FL	-	-	0.0	-	-	-	-	0.0	0.0	0.1	0.1	0.1	-	0.0	-	0.0	-	-	0.3
Total	0.9	6.2	17.8	13.9	10.1	22.9	16.8	66.2	57.2	84.3	14.5	72.7	25.0	8.2	70.3	37.2	52.9	57.8	634.9

Source: Prepared by Nathan Associates Inc. based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports as described in text.

Table H-213. Towing Vessels: Estimated Economic Impact of ANPR on Foreign Flag Vessels 150 GRT and Above by Port Region, Port Area and Vessel DWT, 2002 (US\$ 000s)

ANPR Port Region and Port Area	DWT (000s)																	Total	
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150		150+
Northeastern US - Gulf of Maine	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0
Eastport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Searsport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portland, ME	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0
Portsmouth, NH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Off Race Point	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boston, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Salem, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Cape Cod Bay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Block Island Sound	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Bedford, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Providence, RI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New London, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Haven, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bridgeport, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Long Island, NY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Ports of New York/New Jersey	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Delaware Bay	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.2
Mid-Atlantic Chesapeake Bay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Baltimore, MD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hampton Roads, VA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Morehead City and Beaufort, NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Wilmington, NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Georgetown, SC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Charleston, SC	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1
Mid-Atlantic Savannah, GA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Southeastern US	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1
Brunswick, GA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fernandina, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Jacksonville, FL	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1
Port Canaveral, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
																			0
Total	0.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.4

Source: Prepared by Nathan Associates Inc. based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports as described in text.

Table H-22. Towing Vessels: Estimated Economic Impact of ANPR on Foreign Flag Vessels 150 GRT and Above by Port Region, Port Area and Vessel DWT, 2003 (US\$ 000s)

ANPR Port Region and Port Area	DWT (000s)																		Total
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+	
Northeastern US - Gulf of Maine	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1
Eastport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Searsport, ME	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0
Portland, ME	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0
Portsmouth, NH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Off Race Point	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boston, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Salem, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Cape Cod Bay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Block Island Sound	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0
New Bedford, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Providence, RI	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0
New London, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Haven, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bridgeport, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Long Island, NY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Ports of New York/New Jersey	0.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.1
Mid-Atlantic Delaware Bay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Chesapeake Bay	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.2
Baltimore, MD	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.0
Hampton Roads, VA	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.2
Mid-Atlantic Morehead City and Beaufort, NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Wilmington, NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Georgetown, SC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Charleston, SC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Savannah, GA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Southeastern US	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.2
Brunswick, GA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fernandina, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Jacksonville, FL	0.2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.2
Port Canaveral, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
																			0
Total	0.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.6

Source: Prepared by Nathan Associates Inc. based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports as described in text.

Table H-23. Other Vessels: Estimated Economic Impact of ANPR on Foreign Flag Vessels 150 GRT and Above by Port Region, Port Area and Vessel DWT, 2002 (US\$ 000s)

ANPR Port Region and Port Area	DWT (000s)																	Total	
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150		150+
Northeastern US - Gulf of Maine	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Eastport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Searsport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portland, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portsmouth, NH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Off Race Point	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boston, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Salem, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Cape Cod Bay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Block Island Sound	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Bedford, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Providence, RI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New London, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Haven, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bridgeport, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Long Island, NY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Ports of New York/New Jersey	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Delaware Bay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Chesapeake Bay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Baltimore, MD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hampton Roads, VA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Morehead City and Beaufort, NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Wilmington, NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Georgetown, SC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Charleston, SC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Savannah, GA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Southeastern US	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Brunswick, GA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fernandina, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Jacksonville, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Port Canaveral, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0

Source: Prepared by Nathan Associates Inc. based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports as described in text.

Table H-24. Other Vessels: Estimated Economic Impact of ANPR on Foreign Flag Vessels 150 GRT and Above by Port Region, Port Area and Vessel DWT, 2003 (US\$ 000s)

ANPR Port Region and Port Area	DWT (000s)																		Total
	0-5	5-10	10-15	15-20	20-25	25-30	30-35	35-40	40-45	45-50	50-60	60-70	70-80	80-90	90-100	100-120	120-150	150+	
Northeastern US - Gulf of Maine	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Eastport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Searsport, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portland, ME	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Portsmouth, NH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Off Race Point	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boston, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Salem, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Northeastern US - Cape Cod Bay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Block Island Sound	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Bedford, MA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Providence, RI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New London, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Haven, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bridgeport, CT	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Long Island, NY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Ports of New York/New Jersey	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Delaware Bay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Chesapeake Bay	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Baltimore, MD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hampton Roads, VA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Morehead City and Beaufort, NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Wilmington, NC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Georgetown, SC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Charleston, SC	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mid-Atlantic Savannah, GA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Southeastern US	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Brunswick, GA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fernandina, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Jacksonville, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Port Canaveral, FL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0

Source: Prepared by Nathan Associates Inc. based on analysis of U.S. Coast Guard data on vessel calls at U.S. ports as described in text.